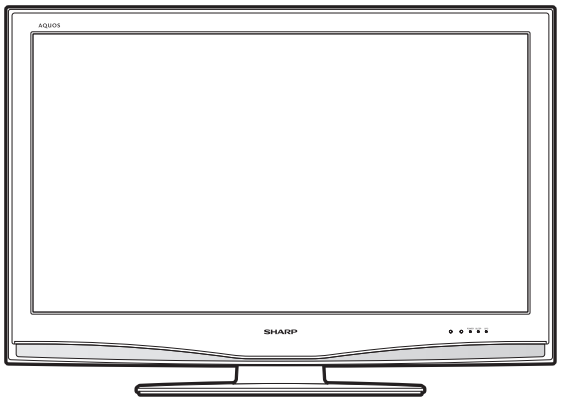
SHARP SERVICE MANUAL

No.S77L5LC42D43U



LCD COLOR TELEVISION

MODEL LC-42D43U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

OUTLINE

This Service Manual covers the differences from LC-32/37D42U. For other technical information, refer to the LC-32/37D42U (No. S06X9LC32D42U) Service Manual.

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Parts Guide

Parts marked with " ⚠ " are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

OUTLINE AND MODIFIED PARTS LIST

OUTLINE

This Service Manual covers the differences from LC-32/37D42U. For other technical information, refer to the LC-32/37D42U (No. S06X9LC32D42U) Service Manual.

MODIFIED PARTS LIST

Ref.No.	Description	LC-32D42U/37D42U (Base Model)	LC-42D43U	Remark
PRINTED WIRING BOARD ASSEMBLIES				
	R/C, LED Unit	DUNTKD909FM02	DUNTKD909FM02	No Change
	KEY Unit	DUNTKD910FM02	DUNTKD910FM02	No Change
	AV TERMINAL Unit	DUNTKD999FM04	DUNTKD935FM03	Change
	MAIN Unit	DUNTKD862FM04	DUNTKD862FM04	Change
	POWER Unit	RDENCA198WJQZ	RDENCA266WJQZ	Unit Replacement Item
LCD PANEL (NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.)				
	32" LCD Panel	R1LK315T3LZ4BX	-	Delete
	37" LCD Panel	R1LK370T3LZ5BW	-	Delete
	42" LCD Panel	-	RLCUCA122WJZZ	Add.
MAIN Unit				
C1118	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1311	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1313	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1403	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1423	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1426	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1433	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1437	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1466	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1467	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
C1531		VCKYCZ1EF104ZY	-	Delete
C1536		RC-KZA115WJZZY	-	Delete
C2001	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	RC-KZA237WJZZY	Change
D1303	Diode KDS4148U-RTK/P	VHD1SS355//-1Y	VHDKDS4148/-1Y	Change
D1311	Diode PDZ9.1B,115	RH-EXA485WJQZY	RH-EX0264TAZZY	Change
D1519		VHDRB521S30-1Y	-	Delete
D2003		RH-PXA018WJZZY	-	Delete
D8451	Diode KDS4148U-RTK/P	VHD1SS355//-1Y	VHDKDS4148/-1Y	Change
D9602	Zener Diode EX0256TA	RH-EXA089WJZZY	RH-EX0256TAZZY	Change
D9606	Diode KDS4148U-RTK/P	VHD1SS352//-1Y	VHDKDS4148/-1Y	Change
D9607	Zener Diode EX0256TA	RH-EXA089WJZZY	RH-EX0256TAZZY	Change
D9701	Diode KDS4148U-RTK/P	VHD1SS352//-1Y	VHDKDS4148/-1Y	Change
D9702	Diode KDS4148U-RTK/P	VHD1SS352//-1Y	VHDKDS4148/-1Y	Change
D9703	Diode PDZ3.3B,115	-	RH-EX0253TAZZY	Add.
FB2604	Balun BLN-A206WJ	RBLN-0207TAZZY	RBLN-A206WJZZY	Change
FB9701	Balun BLN-0236TA	RBLN-0237TAZZY	RBLN-0236TAZZY	Change
IC1503	IC LVC2G14G-1	VHiN74LVC14-1Y	VHiLVC2G14G-1Y	Change
IC1504		VHiT7WH123U-1Y	-	Delete
IC2003	IC HC2G66DP-1	VHiTC7W66U/-1Y	VHiHC2G66DP-1Y	Change
IC2006	IC AHC32PW	VHiTCVHC32T-1Y	VHiAHC32PW+-1Y	Change
IC3302	IC TAR5SB25	VHiPQ1X251M-1Y	VHiTAR5SB25-1Y	Change
IC3304	IC S29GL064A90TFIR20H	VHiMST3586M-1Q	VHiMST3583M-1Q	Change
IC8701	IC TAR5SB33-1	VHiPQ1X331M-1Y	VHiTAR5SB33-1Y	Change
P1401		QPLGN0055CEZZY	-	Delete
P2001		QPLGN0060CEZZY	-	Delete
P2601	Plug	QPLGNA522WJQZY	QPLGNA493WJZZY	Change
P8401		QPLGN0060CEZZY	-	Delete
P9101		QPLGN0060CEZZY	-	Delete
P9202		QPLGNA144WJZZY	-	Delete
P9301		QCNCWA562WJQZY	-	Delete
Q1524	Transistor RT1N141U-T111-1	-	VSRT1N141U/-1Y	Add.
Q1525	Transistor KTA1535T-RTK/P	-	VSKTA1535T+-1Y	Add.
Q2001		VSKRC404E++-1Y	-	Delete

Ref.No.	Description	LC-32D42U/37D42U (Base Model)	LC-42D43U	Remark
Q8452	Transistor KTA1298Y	VS2SA1362GR-1Y	VSKTA1298Y+-1Y	Add.
R1170		VRS-CZ1JF000JY	-	Delete
R1176		VRS-CZ1JF000JY	-	Delete
R1401		VRS-CJ1JF101JY	-	Delete
R1402		VRS-CZ1JF101JY	-	Delete
R1403		VRS-CZ1JF000JY	-	Delete
R1412		VRS-CZ1JF000JY	-	Delete
R1511		VRS-CZ1JF330JY	-	Delete
R1513		VRS-CZ1JF102FY	-	Delete
R1521		VRS-CZ1JF000JY	-	Delete
R1522		VRS-CZ1JF223FY	-	Delete
R1523		VRS-CZ1JF101JY	-	Delete
R1524		VRS-CZ1JF103FY	-	Delete
R1531		VRS-CZ1JF330JY	-	Delete
R1597	Resistor 10k 1/16W Metal Oxide	-	VRS-CZ1JF103FY	Add.
R1599	Resistor 330 1/16W Metal Oxide	-	VRS-CZ1JF331JY	Add.
R1609		VRS-CZ1JF472JY	-	Delete
R1614		VRS-CZ1JF472JY	-	Delete
R2012		VRS-CZ1JF000JY	-	Delete
R2013		VRS-CZ1JF000JY	-	Delete
R2017		VRS-CZ1JF000JY	-	Delete
R2030		VRS-CZ1JF000JY	-	Delete
R2039		VRS-CZ1JF000JY	-	Delete
R2040		VRS-CZ1JF000JY	-	Delete
R2041		VRS-CZ1JF152JY	-	Delete
R2069	Resistor 4.7k 1/16W Metal Oxide	-	VRS-CZ1JF472JY	Add.
R2254		VRS-CZ1JF000JY	-	Delete
R2255		VRS-CZ1JF000JY	-	Delete
R2256		VRS-CZ1JF000JY	-	Delete
R2259		VRS-CZ1JF000JY	-	Delete
R2261		VRS-CZ1JF000JY	-	Delete
R2263		VRS-CZ1JF000JY	-	Delete
R2264		VRS-CZ1JF000JY	-	Delete
R2629	Resistor 0 1/16W Metal Oxide	VRK-CD1JJ000JY	VRS-CK1JJ000JY	Change
R2630	Resistor 0 1/16W Metal Oxide	VRK-CD1JJ000JY	VRS-CK1JJ000JY	Change
R2631	Resistor 0 1/16W Metal Oxide	VRK-CD1JJ000JY	VRS-CK1JJ000JY	Change
R3307		VRS-CZ1JF000JY	-	Delete
R3323		VRS-CZ1JF000JY	-	Delete
R3324		VRS-CZ1JF000JY	-	Delete
R8144	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8162	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8163	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8164	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8169	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8170	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8197	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8198	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8199	Resistor 47 1/16W Metal Oxide	VRK-CD1JJ470JY	VRS-CK1JJ470JY	Change
R8454		VRK-CD1JJ000JY	-	Delete
R8455		VRK-CD1JJ000JY	-	Delete
R8701		VRK-CD1JJ000JY	-	Delete
R8702		VRS-CH1JF000JY	-	Delete
R8709		VRS-CH1JF000JY	-	Delete
R8729		VRS-CZ1JF000JY	-	Delete
R9007	Resistor 4.7k 1/16W Metal Oxide	-	VRS-CZ1JF472JY	Add.
R9116		VRK-CD1JJ000JY	-	Delete
R9201		VRS-CZ1JF470JY	-	Delete
R9205		VRS-CZ1JF000JY	-	Delete
R9209		VRS-CZ1JF470JY	-	Delete
R9306		VRS-CZ1JF103JY	-	Delete
R9614		VRS-CZ1JF100JY	-	Delete
R9712	Resistor 3.9k 1/16W Metal Oxide	VRS-CZ1JF183FY	VRS-CZ1JF392JY	Change
R9713		VRS-CZ1JF333JY	-	Delete
SC1503	Socket	QSOCNA101WJN1	QSOCNA004WJZZ	Change

Ref.No.	Description	LC-32D42U/37D42U (Base Model)	LC-42D43U	Remark
TU1101	Tuner	RTUDAA007WJQZ	RTUDAA018WJQZ	Change
AV TERMINAL Unit				
Refer to Parts List.				
CABINET PARTS				
Refer to Parts List.				
SUPPLIED ACCESSORIES				
Refer to Parts List.				
PACKING PARTS				
Refer to Parts List.				
SERVICE JIGS				
Refer to Parts List				

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

■WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.

F701 (250V 8A)

■BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

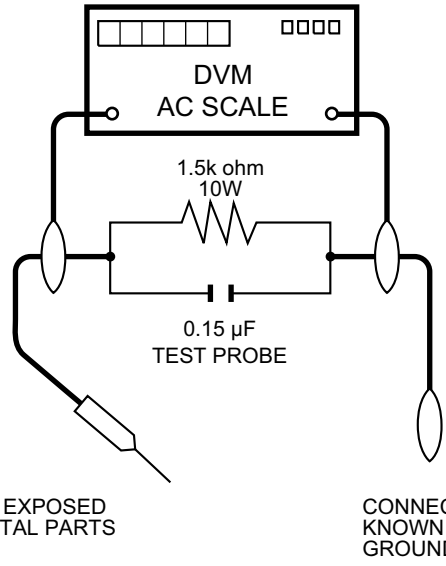
Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 120 volt AC outlet.
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

  Any reading of 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD color television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

■ AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.

PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE

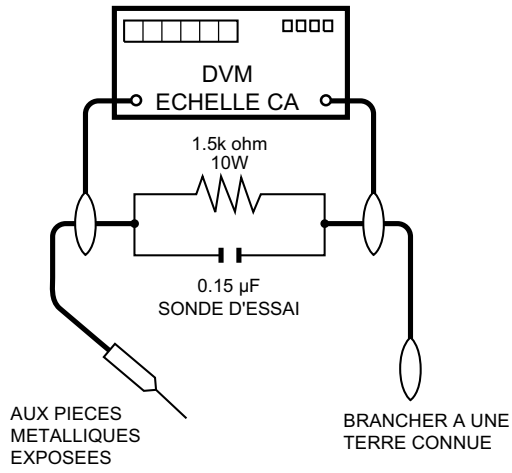
F701 (250V 8A)

■ VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

3. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
4. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistancecapacité, les isolateurs mécaniques, etc.
5. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la facon suivante:

- Brancher le cordon d'alimentation directem-ent à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
- A l'aide de deux fils à pinces, brancher une résistance de 1.5 kΩ 10 watts en parallèle avec un condensateur de 0.15μF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)
  La tension de pointe mesurèe ne doit pas dépasser 0.75V (correspondante au courant CA de pointe de 0.5mA).
  Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseur ACL présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.
Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque "⚠" et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

CHAPTER 1. OPERATION MANUAL

[1] SPECIFICATIONS

Item			Model: LC-42D43U
LCD panel			42" Advanced Super View & BLACK TFT LCD (Actual screen size 42" measured diagonally)
Number of dots			3,147,264 dots (1366 × 768 × 3 dots)
TV Function	TV-standard (CCIR)		American TV Standard ATSC/NTSC System
	Receiving Channel	VHF/UHF	VHF 2-13ch, UHF 14-69ch
		CATV	1-135ch (non-scrambled channel only)
		Digital Terrestrial Broadcast (8VSB)	2-69ch
		Digital cable*1 (64/256 QAM)	1-135ch (non-scrambled channel only)
	Audio multiplex		BTSC System
Audio out			10W × 2
Terminals	Rear	INPUT 1	AV in, COMPONENT in
		INPUT 2	AV in, COMPONENT in
		INPUT 3	S-VIDEO in, AV in
		INPUT 4	HDMI in with HDCP
		INPUT 5	Audio in, HDMI in with HDCP
		INPUT 6	15-pin mini D-sub female connector, Audio in (Ø 3.5 mm jack)
		ANTENNA	75 Ω Unbalance, F Type× 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)
		DIGITAL AUDIO OUTPUT	Optical Digital audio output× 1 (PCM/Dolby Digital)
		OUTPUT	Audio out
OSD language			English/French/Spanish
Power Requirement			AC 120 V, 60 Hz (FOR NORTH AMERICA) AC 110-240 V, 50/60 Hz (FOR OTHERS)
Power Consumption			235 W (0.7 W Standby with AC 120V)
Weight		TV + stand	72.6 lbs./33.0 kg
		TV only	64.9 lbs./29.5 kg
Dimension*2 (W × H × D)		TV + stand	$40^{19}/_{32} \times 28^{7}/_{8} \times 11^{1}/_{2}$ inch
		TV only	$40^{19}/_{32} \times 26^{37}/_{64} \times 5^{9}/_{32}$ inch
Operating temperature			+32°F to +104°F (0°C to +40°C)

*1 Emergency alert messages via Cable are unreceivable.

- As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification fi gures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Optional accessory

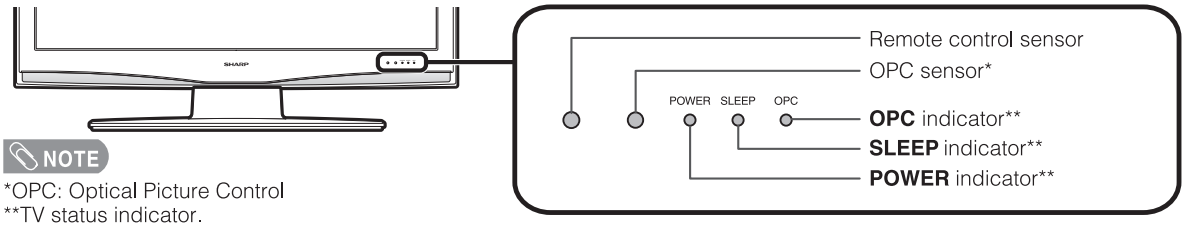
The listed optional accessory is available for the Liquid Crystal Television. Please purchase it at your nearest shop.

- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

Part name	Model number
Wall mount bracket	AN-37AG2 (for LC-42D43U only) AN-52AG1

Part names

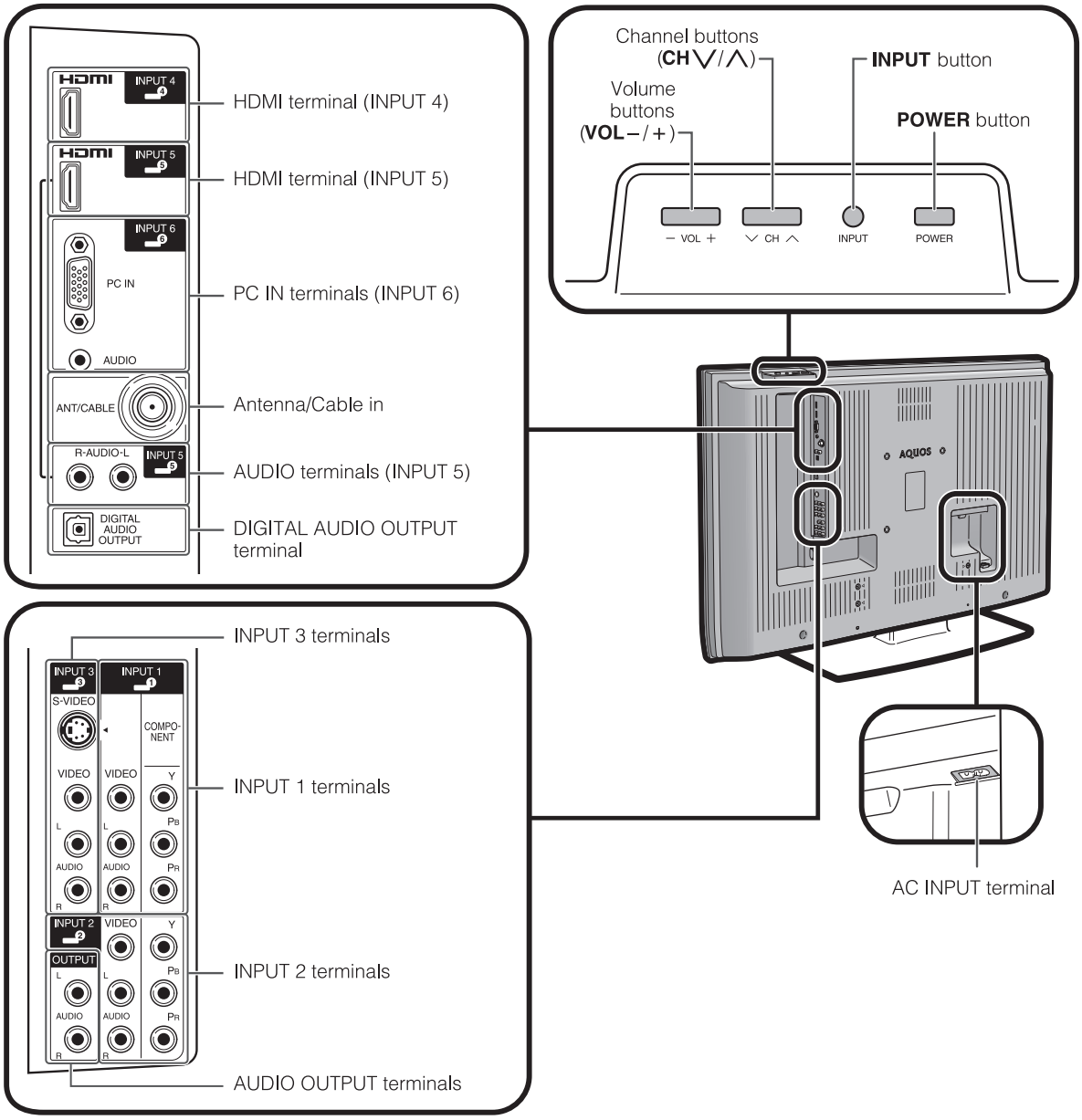
TV (Front)



NOTE

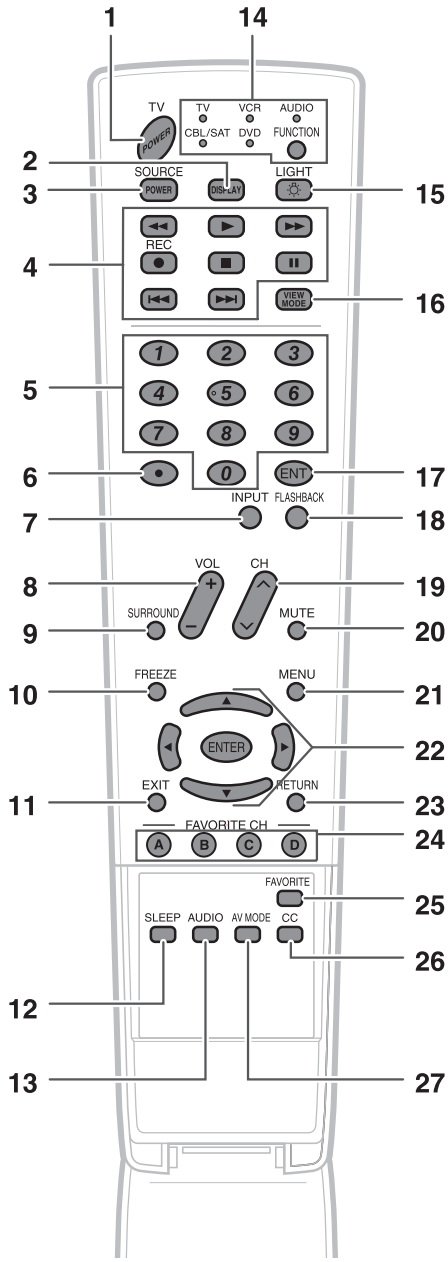
*OPC: Optical Picture Control
**TV status indicator.

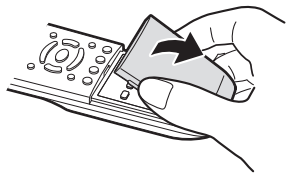
TV (Rear/Top)



Part names

Remote control unit





NOTE

• When using the remote control unit, point it at the TV.

1 **TV POWER:** Switch the TV power on or enters standby.

2 **DISPLAY:** Display the channel information.

3 **SOURCE POWER:** Turns the power of the external equipment on and off.

4 **External equipment operational buttons:** Operate the external equipment.

5 **0 – 9:** Set the channel.

6 **• (DOT):**

7 **INPUT:** Select a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6)

8 **VOL +/–:** Set the volume.

9 **SURROUND:** Select Surround settings.

10 **FREEZE:** Set the still image. Press again to return to normal screen.

11 **EXIT:** Turn off the menu screen.

12 **SLEEP:** Set the sleep timer.

13 **AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts.

14 **FUNCTION:** Switches the remote control for TV, CBL/SAT, VCR, DVD and AUDIO operation. Indicator lights up for the current mode.

* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.

15 **LIGHT ☼:** When pressed all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.

16 **VIEW MODE:** Select the screen size.

17 **ENT:** Jumps to a channel after selecting with the **0**–**9** buttons.

18 **FLASHBACK:** Return to the previous channel or external input mode.

19 **CH∧/∨:** Select the channel.

20 **MUTE:** Mute the sound.

21 **MENU:** Display the menu screen.

22 **▲/▼/◄/►/ENTER:** Select a desired item on the screen.

23 **RETURN:** Return to the previous menu screen.

24 **FAVORITE CH**

A, B, C, D: Select 4 preset favorite channels in 4 different categories.

While watching, you can toggle the selected channels by pressing A, B, C and D.

25 **FAVORITE:** Set the favorite channels.

26 **CC:** Display captions from a closed-caption source.

27 **AV MODE:** Select an audio or video setting. (When the input source is TV, INPUT 1, 2 or 3: STANDARD, MOVIE, GAME, USER, DYNAMIC (Fixed), DYNAMIC. When the input source is INPUT 4, 5 or 6: STANDARD, MOVIE, GAME, PC, USER, DYNAMIC (Fixed), DYNAMIC)

Appendix

Removing the stand

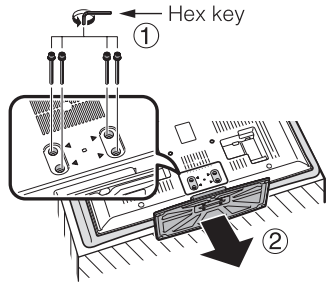
Before detaching (or attaching) stand, unplug the AC cord from the AC INPUT terminal.

CAUTION

- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**

Before attaching/detaching stand

- Before performing work make sure to turn off the TV.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.



① Unfasten the four screws used to secure the stand in place.

② Detach the stand from the TV. (Hold the stand so it will not drop from the edge of the base area.)

NOTE

- To attach the stand, perform the above steps in reverse order.

Setting the TV on the wall

CAUTION

The model AN-37AG2 of the wall mount bracket can be used only with LC-42D43U.

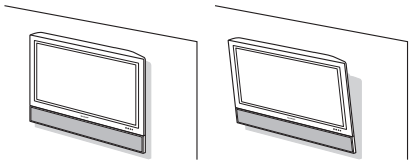
- **This TV should be mounted on the wall only with the AN-37AG2/AN-52AG1 (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Installing the TV requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**

Using an optional bracket to mount the TV

- You can ask a qualified service professional about using an optional AN-37AG2/AN-52AG1 bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

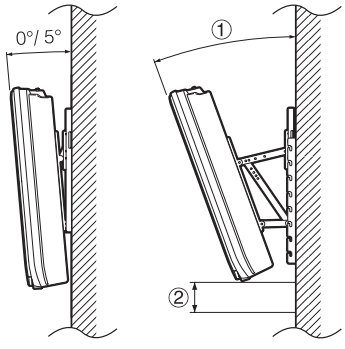
Hanging on the wall

AN-37AG2/AN-52AG1 wall mount bracket. (See the bracket instructions for details.)



Vertical mounting Angular mounting

About setting the TV angle and height adjustment



AN-37AG2 AN-52AG1

For AN-52AG1

① **Angle of TV**	0/5/10/15/20°
② **Height Adjustment**	$-1\,^{63}/_{64}$ (−5)/0/ $+1\,^{63}/_{64}$ (+5) • can be moved $1\,^{63}/_{64}$ (5) up or down Unit: inch (cm)

NOTE

- Detach the cable clamps on the rear of the TV when using the optional mount bracket.

Appendix

Troubleshooting

Problem	Possible Solution
• No power	• Check if you pressed **TV POWER** on the remote control unit. If the indicator on the TV does not light up, press **POWER** on the TV. • Is the AC cord disconnected? • Has the power been turned on?
• Unit cannot be operated.	• External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning on the power of the TV or unplugging the AC cord and replugging it in after 1 or 2 minutes.
• Remote control unit does not operate.	• Is the **FUNCTION** set correctly? Set it to the TV setting position. • Are batteries inserted with polarity (+, –) aligned? • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light illuminated near the remote control sensor?
• Picture is cut off/with sidebar screen.	• Is the image position correct? • Are screen mode adjustments such as picture size made correctly?
• Strange color, light color, or color misalignment	• Adjust the picture tone. • Is the room too bright? The picture may look dark in a room that is too bright. • Check the input signal setting.
• Power is suddenly turned off.	• Is the sleep timer set? • Check the power control settings. • The unit's internal temperature has increased. Remove any objects blocking vent or clean.
• No picture	• Is connection to other components correct? • Is correct input signal source selected after connection? • Is the correct input selected? • Is picture adjustment correct? • Is “On” selected in “Audio Only”? • Is a non-compatible signal being input?
• No sound	• Is the volume too low? • Is “Variable” selected in “Output Select”? • Have you pressed **MUTE** on the remote control unit?
• The TV sometimes makes a cracking sound.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to change in temperature. This does not affect the TV's performance.

Troubleshooting-Digital broadcasting

The error message about reception of broadcast

The example of an error message displayed on a screen	Error code	Possible Solution
• Failed to receive broadcast.	**E202**	• Check the antenna cable. Check that the antenna is correctly setup.
• No broadcast now.	**E203**	• Check the broadcast time in the program guide.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the Liquid Crystal panel to malfunction.
  Storage temperature: –4°F to +140°F (–20°C to +60°C)

PC compatibility chart

It is necessary to set the PC correctly to display XGA and WXGA signal.

PC	Resolution		Horizontal Frequency	Vertical Frequency	VESA Standard
PC	VGA	720 x 400	31.5 kHz	70 Hz	——
		640 x 480	31.5 kHz	60 Hz	O
			37.9 kHz	72 Hz	O
			37.5 kHz	75 Hz	O
	SVGA	800 x 600	35.1 kHz	56 Hz	O
			37.9 kHz	60 Hz	O
			48.1 kHz	72 Hz	O
			46.9 kHz	75 Hz	O
	XGA	1024 x 768	48.4 kHz	60 Hz	O
			56.5 kHz	70 Hz	O
			60.0 kHz	75 Hz	O
	WXGA	1360 x 768	47.7 kHz	60 Hz	O

DDC is a registered trademark of Video Electronics Standards Association.
Power Management is a registered trademark of Sun Microsystems, Inc.
VGA and XGA are registered trademarks of International Business Machines Co., Inc.

Basic adjustment settings

Menu items for TV/INPUT 1/2/3

Picture

- OPC
- Backlight
- Contrast
- Brightness
- Color
- Tint
- Sharpness
- Advanced
  - Color Temp.
  - Black
  - I/P Setting
  - Film Mode
  - 3D-Y/C
  - Monochrome
  - Range of OPC
- Reset

Audio

- Treble
- Bass
- Balance
- Surround
- Reset

Power Control

- No Signal Off
- No Operation Off

Setup

- EZ Setup
- CH Setup
- Antenna Setup-DIGITAL
- Input Skip
- Input Label
- Parental CTRL
- Position
- Language
- Reset

Option

- Audio Only
- Digital Noise Reduction
- Input Select
- Output Select
- Color System
- Caption Setup
- Program Title Display
- Favorite CH

Digital Setup

- Audio Setup

Menu items for HDMI/PC-IN

Picture

- OPC
- Backlight
- Contrast
- Brightness
- Color
- Tint
- Sharpness
- Advanced
  - Color Temp.
  - Black
  - I/P Setting
  - Film Mode
  - Monochrome
  - Range of OPC
- Reset

Audio

- Treble
- Bass
- Balance
- Surround
- Reset

Power Control

- No Signal Off
- No Operation Off

Setup

- Input Skip
- Input Signal
- Auto Sync.
- Input Label
- Fine Sync.
- Position
- Language
- Reset

Option

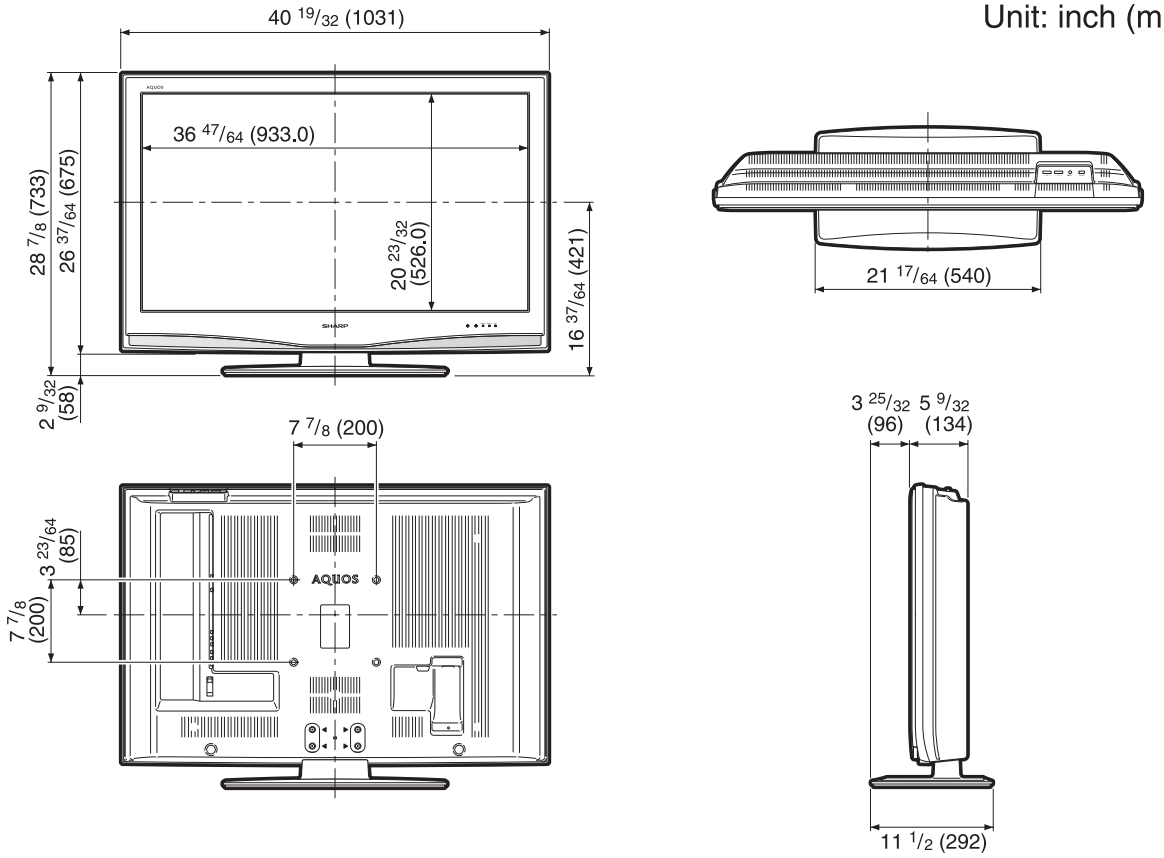
- Audio Only
- Digital Noise Reduction
- HDMI Setup
- Output Select

NOTE

- Some menu items may not be displayed depending on the selected input source.

[3] DIMENSIONS

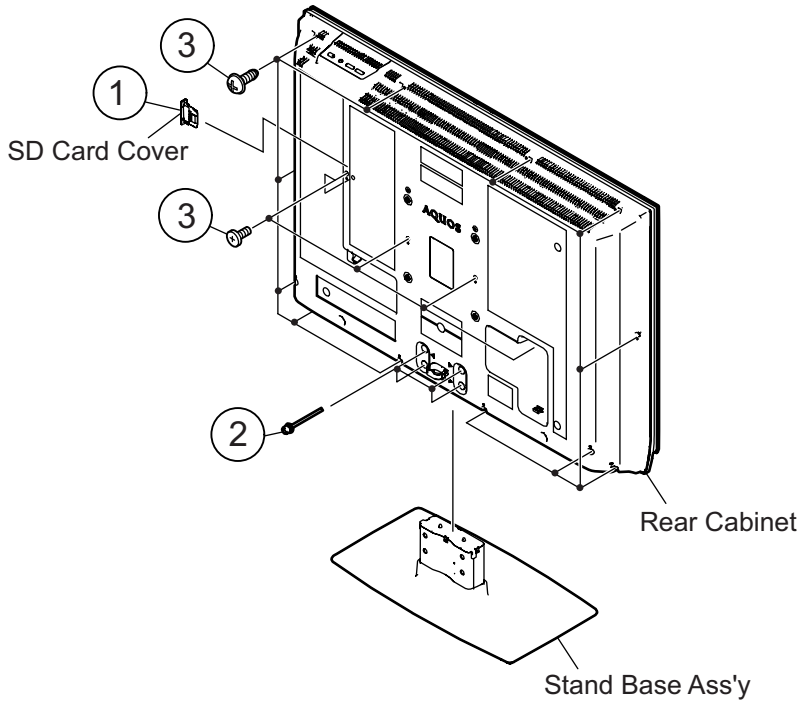
Unit: inch (mm)



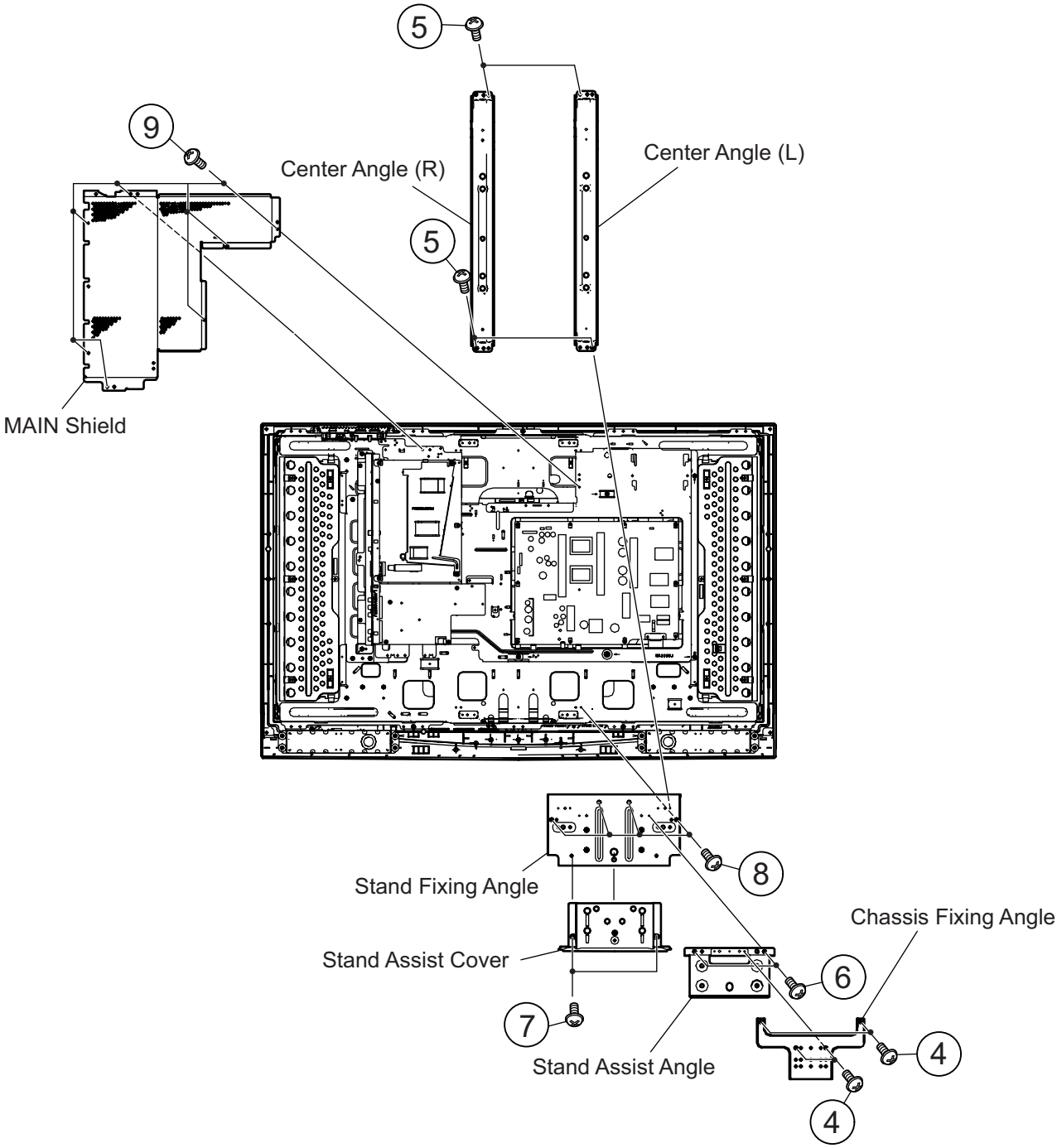
CHAPTER 2. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

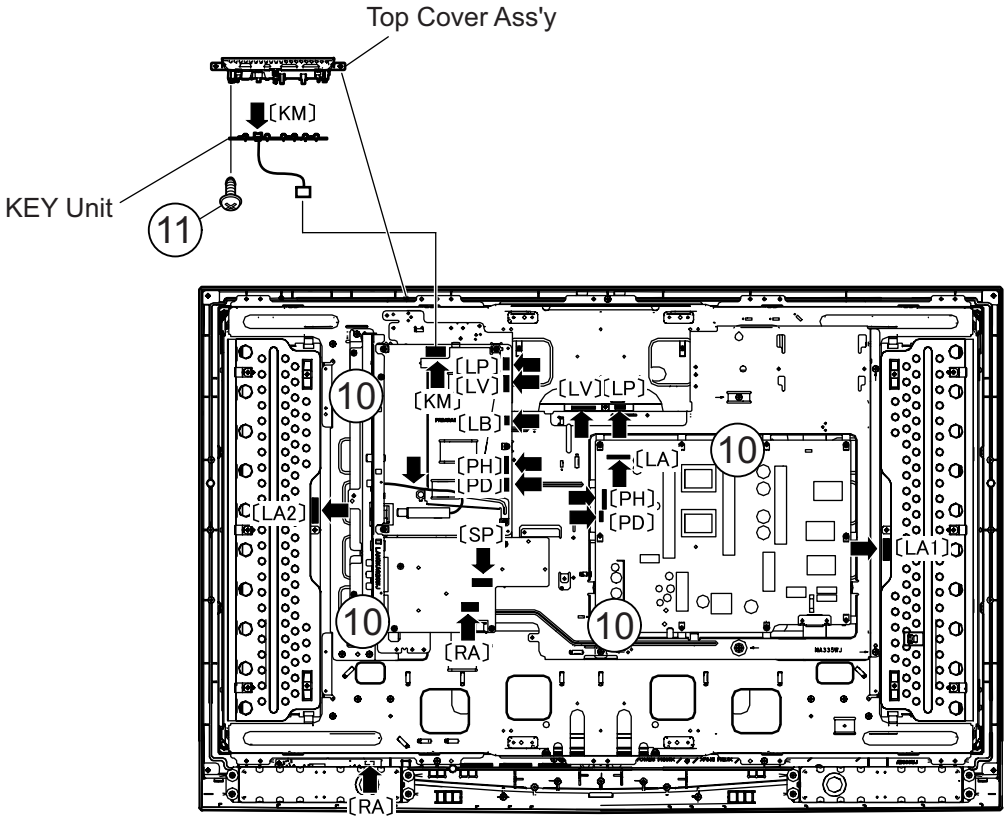
1. Remove the SD Card Cover.
2. Remove the 4 lock screws and detach the Stand Base Ass'y.
3. Remove the 12 lock screws, 5 lock screws and detach the Rear Cabinet.



4. Remove the 4 lock screws and detach the Chassis Fixing Angle.
5. Remove the 4 lock screws and detach the Center Angle (L)(R).
6. Remove the 2 lock screws and detach the Stand Assist Angle.
7. Remove the 2 lock screws and detach the Stand Assist Cover.
8. Remove the 4 lock screws and detach the Stand Fixing Angle.
9. Remove the 7 lock screws, detach the MAIN Shield.



10. Disconnect all the connectors from all the PWBs.
11. Remove the Top Cover Ass'y. Remove the 1 lock screw from the Top Cover Ass'y and detach the KEY Unit.



12.Remove the 7 lock screws and detach the Tray Chassis.

13.Remove the 2 lock screws, 3 lock screws, 2 lock screws, 2 hexagonal shaft for D-sub and detach the Terminal Angle.

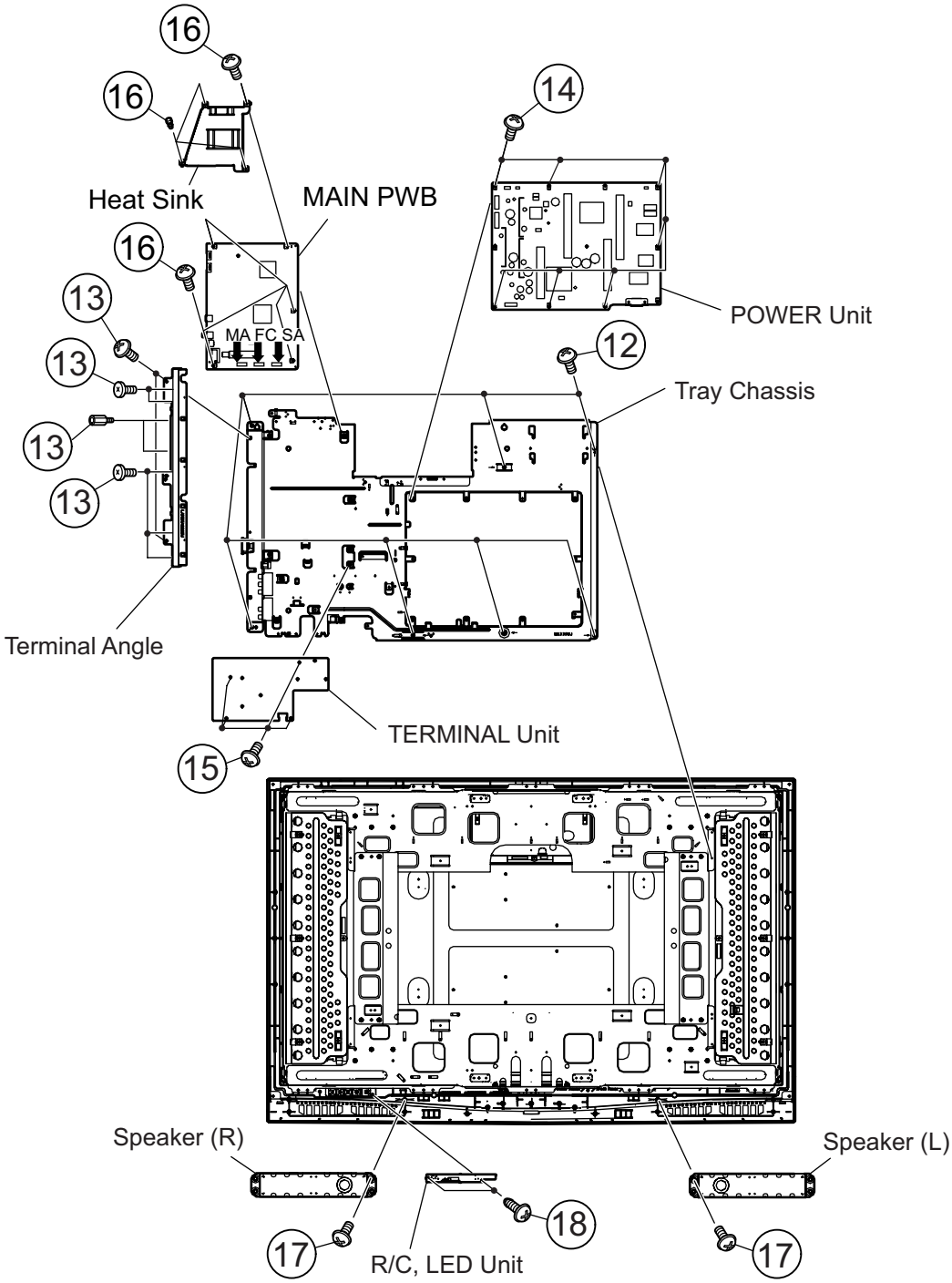
14.Remove the 7 lock screws and detach the POWER Unit.

15.Remove the 4 lock screws and detach the TERMINAL Unit.

16.Remove the 5 lock screws, 3 rivet and detach the Heat Sink and MAIN PWB.

17.Remove the 2 lock screws and detach the Speaker (L)(R).

18.Detach the R/C, LED Unit.

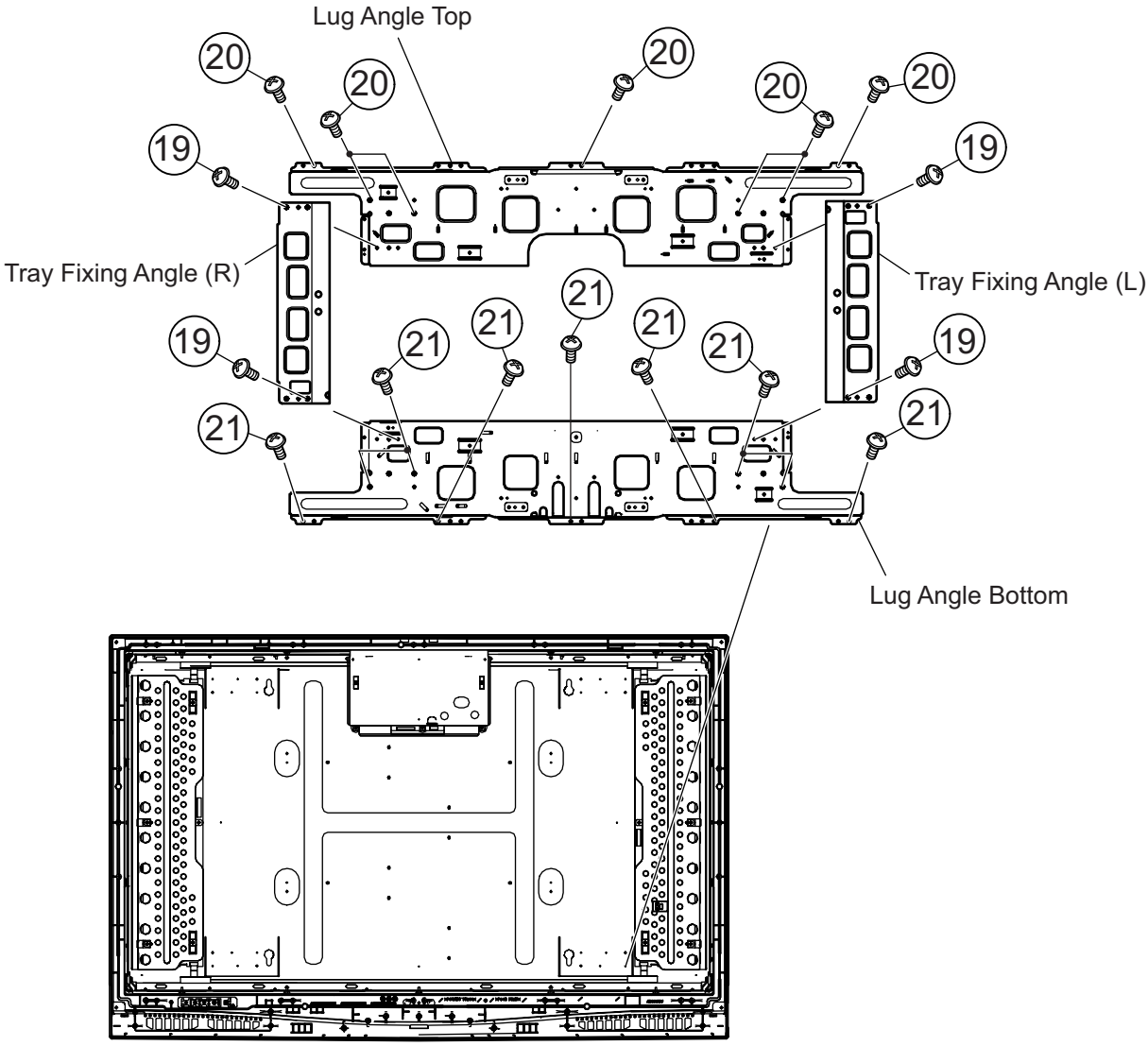


19.Remove the 4 lock screws and detach the Tray Fixing Angle (L)(R).

20.Remove the 7 lock screws and detach the Lug Angle Top.

21.Remove the 9 lock screws and detach the Lug Angle Bottom.

22.Remove the LCD Panel Module.



CHAPTER 3. ADJUSTMENT

[1] ADJUSTMENT PROCEDURE

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

1. After replacement of any PWB unit and/or IC for repair, please note the following.

When replacing the following units, make sure to prepare the new units loaded with updated software.

MAIN Unit: DUNTKD862FM04.

AV TERMINAL Unit: DUNTKD935FM03

2. Signal Adjustment

2.1. White balance adjustment

<table>
<tr><th></th><th>Adjustment item</th><th>Adjustment conditions</th><th>Adjustment procedure</th></tr>
<tr><td>1</td><td>Setting</td><td></td><td>For detailed adjustment procedure, refer to “Kameyama Model Integral Monitor WB Adjustment Specifications V1.4”.
1) Make the following settings for the set.
AV MODE: [DYNAMIC]
Backlight: +16
Aging time: Min. 60 minutes
2) Connect the white balance adjustment tool to the set.</td></tr>
<tr><td>2</td><td>Automatic adjustment execution</td><td>[Command]
Process mode
KRSW0001
KKT10037

Setting
KYOF0000
OSDS0001
SBSL0016

Multi-point adjustment mode
MSET0001

Adjustment value initialization
MSET0004

Point 6
LEV60230
(WBI60920)
MG6G****
MG6B****
MG6R****

Point 5
LEV50215
(WBI50860)
MG5G****
MG5B****
MG5R****

Point 4
LEV40184
(WBI40736)
MG4G****
MG4B****
MG4R****

Point 3
LEV30128
(WBI30512)
MG3G****</td><td>[Adjustment procedure]
1) Using the remote controller, transmit the “monitor adjustment process” code.
2) Set the 6th point to the specified gradation level. With the strongest color being fixed, turn down the R, G and B settings to their reference levels.
3) Set the 5th point to the specified gradation level. Correct the G setting (860 x 6th-point G setting / 920) (rounded off), and make the R and B settings to their reference levels.
4) Set the 4th point to the specified gradation level. Correct the G setting (736 x 6th-point G setting / 920) (rounded off), and make the R and B settings to their reference levels.
5) Set the 3rd point to the specified gradation level. Correct the G setting (512 x 6th-point G setting / 920) (rounded off), and make the R and B settings to their reference levels.
6) Set the 2nd point to the specified gradation level. Correct the G setting (256 x 6th-point G setting / 920) (rounded off), and make the R and B settings to their reference levels.
7) Set the 1st point to the specified gradation level. Correct the G setting (192 x 6th-point G setting / 920) (rounded off), and make the R and B settings to their reference levels.
8) With the MSET0003 command, write the adjustment values and turn off the AC power.
* Initial R, G and B settings at point 6: Gradation level set at 920
* Initial R, G and B settings at points 1 thru 5: Corrected G setting at each point
(This is because the adjustment is made to achieve the same remainder of RGB setting / 4 at each point.)
[Adjustment value]
•As per the “standard set” submitted by Engineering Department
“LC-46D43U” Teaching set
[Adjustment reference] Instrument: Minolta CA-210 Engineering instrument

<table>
<tr><th></th><th>Level</th><th>Reference</th><th>Adj. spec</th><th>Ins. spec</th></tr>
<tr><td>Point 6</td><td>980</td><td>X=0.272
y=0.277</td><td>±0.0025</td><td>±0.0050</td></tr>
<tr><td>Point 5</td><td>928</td><td>X=0.272
y=0.277</td><td>±0.0025</td><td>±0.0050</td></tr>
<tr><td>Point 4</td><td>828</td><td>X=0.272
y=0.277</td><td>±0.0035</td><td>±0.0070</td></tr>
<tr><td>Point 3</td><td>568</td><td>X=0.272
y=0.277</td><td>±0.0050</td><td>±0.0100</td></tr>
<tr><td>Point 2</td><td>484</td><td>X=0.272
y=0.277</td><td>±0.0080</td><td>±0.0150</td></tr>
</table>
</td></tr>
</table>

	Adjustment item	Adjustment conditions	Adjustment procedure				
		MG3B**** MG3R**** Point 2 LEV20064 (WBI20256) MG2G**** MG2B**** MG2R**** Point 1 LEV10048 (WBI10192) MG1G**** MG1B**** MG1R**** Writing MSET0003	Point 1	216	X=0.272 y=0.277	±0.0110	±0.0200
			Note		Set conditions for inspection AV MODE: [DYNAMIC] (Reset) Monochrome: ON Black: OFF Color Temp: High Back Light: +16 Aging Time: Min. 60 minutes		

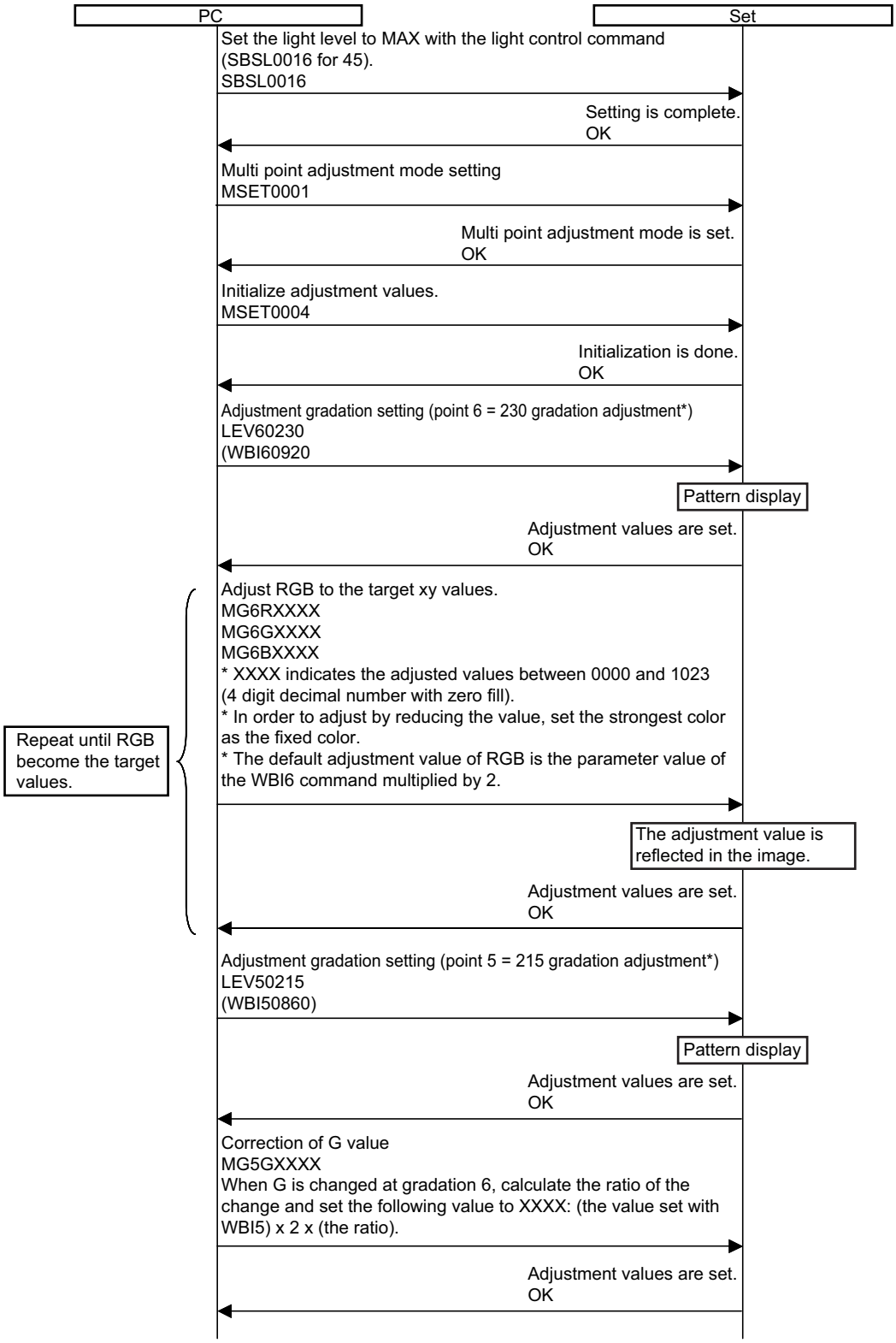
2.2. Key writing

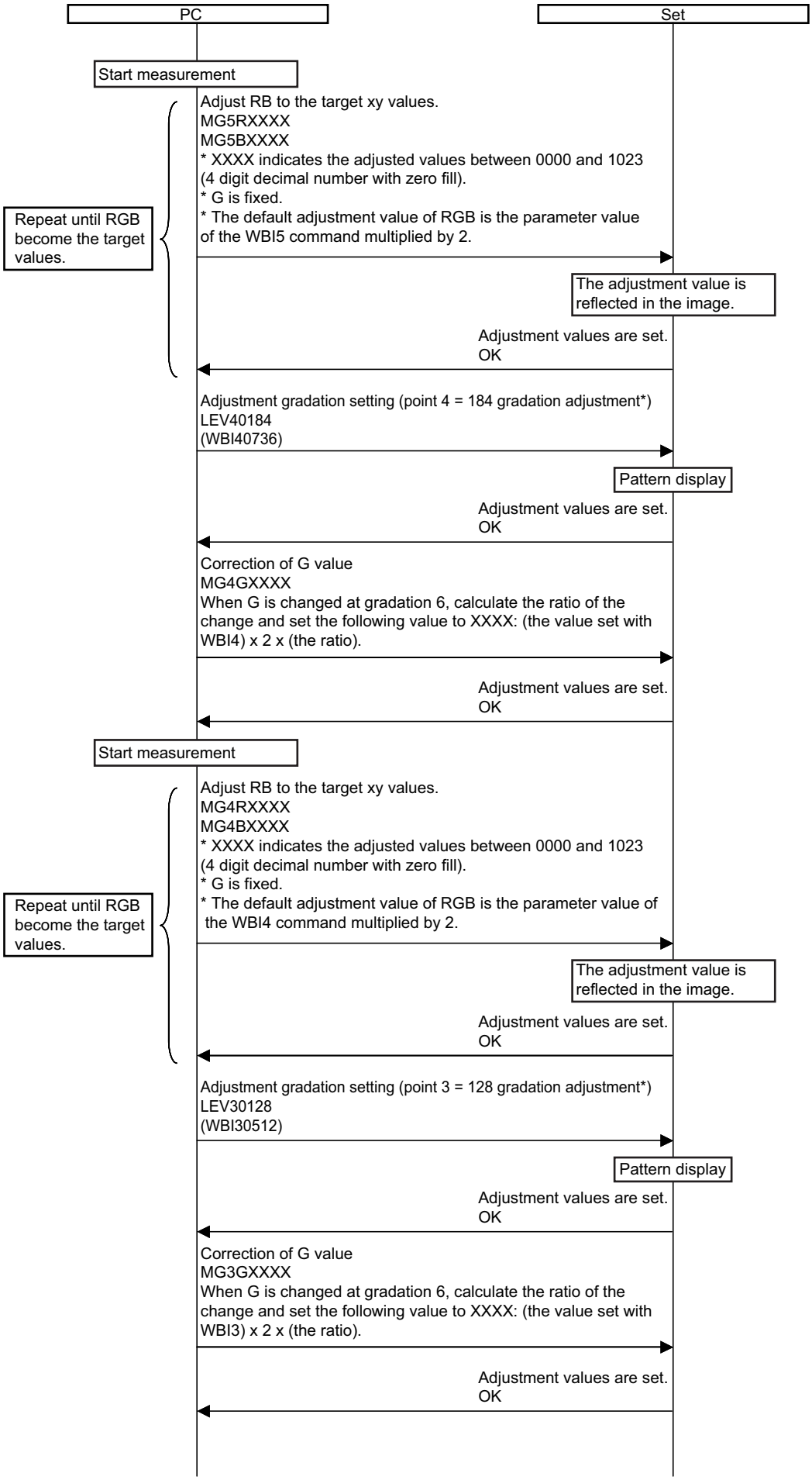
1. EDID writing (Main PWB: QPWBXD862WJN2, analog RGB input terminal / HDMI input terminal)

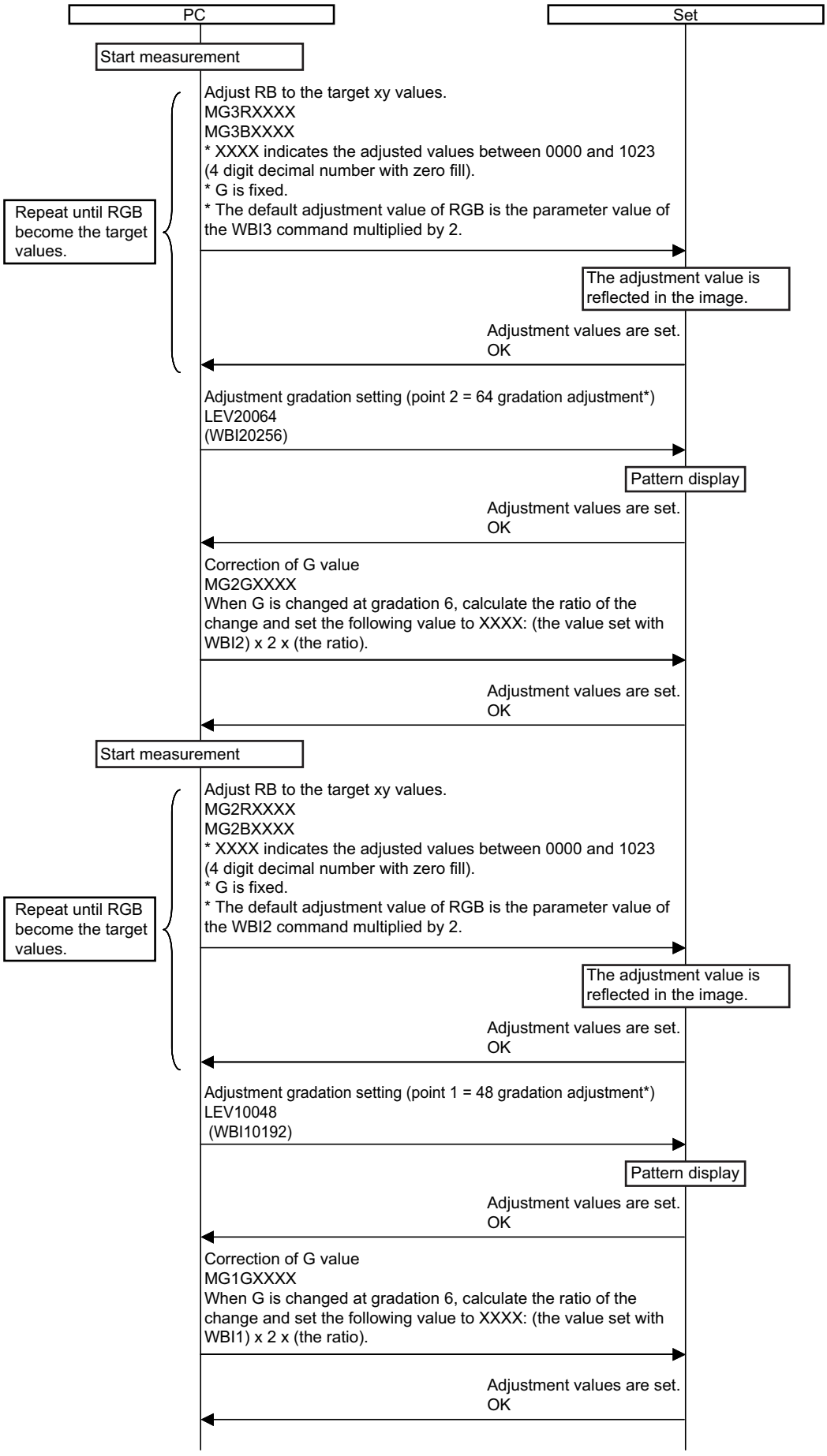
	Adjustment item	Adjustment conditions	Adjustment procedure
1	Analog RGB EDID writing	File version checking	1) Using the checker, write the EDID data for HDMI to IC1505 that is mounted on the main PWB. TL1514: I2C clock, TL1515: I2C data TL1516: 5V, TL1517: GND TL1502: VCLK (Write: H, Read: V pulse) 2) In the analog RGB inspection, use a DDC-compatible device. If the EDID has not been written, the analog RGB input does not function normally.
2	HDMI EDID writing	Inspection mode File version checking	1) Using the checker, write the analog HDMI EDID data to IC1501 and IC1502 that are mounted on the main PWB. TL1508/1510: I2C clock, TL1509/1511: I2C data TL1512/1513: 5V, TL1519/1518: GND TL1534/1535: Write protection (H: Write, L: Write enable) 2) Write the data before the HDMI inspection with the checker. In the HDMI inspection, use a DDC-compatible device. If the EDID has not been written, the HDMI does not function normally.

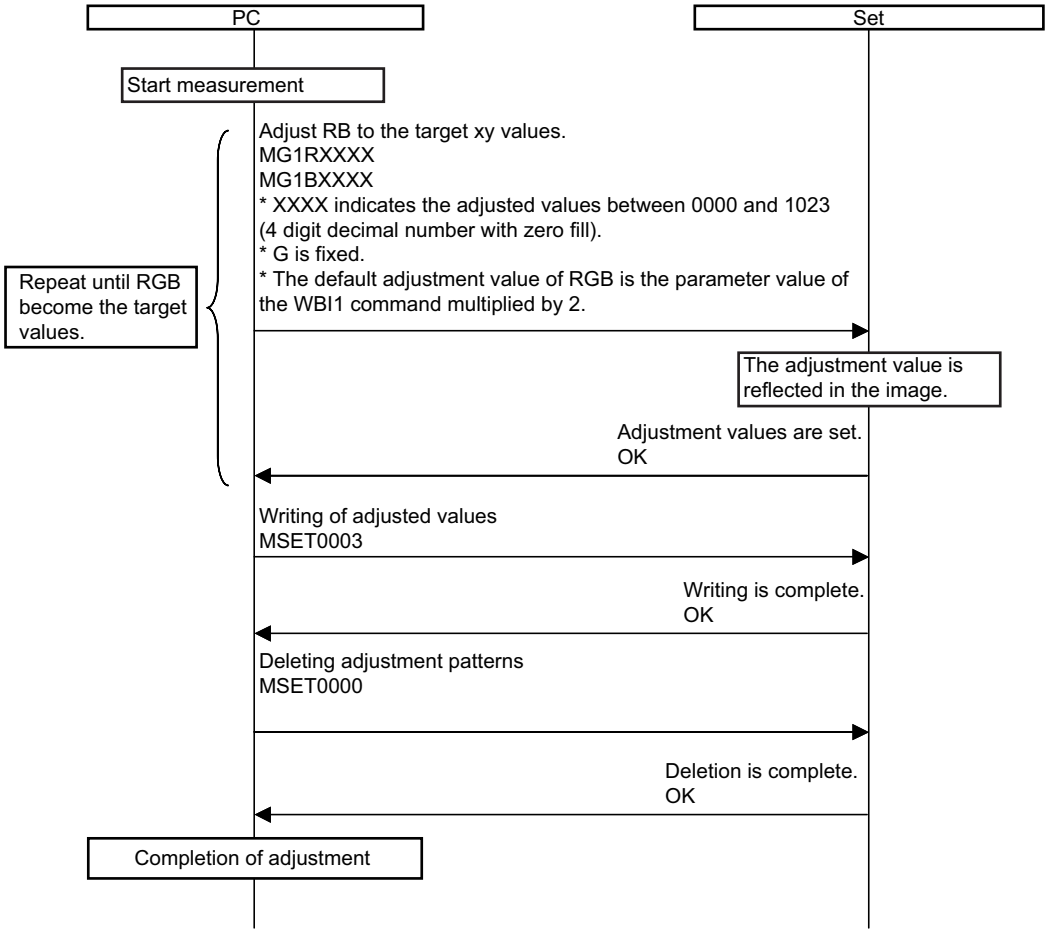
2. Adjustment sequence (adjustment according to the G adjustment value of gradation 6)

* Make sure the adjusting point gradations are correct since they are different for each model.


PC
Set
Set the light level to MAX with the light control command (SBSL0016 for 45).
SBSL0016
Setting is complete.
OK
Multi point adjustment mode setting
MSET0001
Multi point adjustment mode is set.
OK
Initialize adjustment values.
MSET0004
Initialization is done.
OK
Adjustment gradation setting (point 6 = 230 gradation adjustment*)
LEV60230
(WBI60920
Pattern display
Adjustment values are set.
OK
Adjust RGB to the target xy values.
MG6RXXXX
MG6GXXXX
MG6BXXXX
* XXXX indicates the adjusted values between 0000 and 1023 (4 digit decimal number with zero fill).
* In order to adjust by reducing the value, set the strongest color as the fixed color.
* The default adjustment value of RGB is the parameter value of the WBI6 command multiplied by 2.
Repeat until RGB become the target values.
The adjustment value is reflected in the image.
Adjustment values are set.
OK
Adjustment gradation setting (point 5 = 215 gradation adjustment*)
LEV50215
(WBI50860)
Pattern display
Adjustment values are set.
OK
Correction of G value
MG5GXXXX
When G is changed at gradation 6, calculate the ratio of the change and set the following value to XXXX: (the value set with WBI5) x 2 x (the ratio).
Adjustment values are set.
OK


PC
Set
Start measurement
Adjust RB to the target xy values.
MG5RXXXX
MG5BXXXX
* XXXX indicates the adjusted values between 0000 and 1023 (4 digit decimal number with zero fill).
* G is fixed.
* The default adjustment value of RGB is the parameter value of the WBI5 command multiplied by 2.
Repeat until RGB become the target values.
The adjustment value is reflected in the image.
Adjustment values are set.
OK
Adjustment gradation setting (point 4 = 184 gradation adjustment*)
LEV40184
(WBI40736)
Pattern display
Adjustment values are set.
OK
Correction of G value
MG4GXXXX
When G is changed at gradation 6, calculate the ratio of the change and set the following value to XXXX: (the value set with WBI4) x 2 x (the ratio).
Adjustment values are set.
OK
Start measurement
Adjust RB to the target xy values.
MG4RXXXX
MG4BXXXX
* XXXX indicates the adjusted values between 0000 and 1023 (4 digit decimal number with zero fill).
* G is fixed.
* The default adjustment value of RGB is the parameter value of the WBI4 command multiplied by 2.
Repeat until RGB become the target values.
The adjustment value is reflected in the image.
Adjustment values are set.
OK
Adjustment gradation setting (point 3 = 128 gradation adjustment*)
LEV30128
(WBI30512)
Pattern display
Adjustment values are set.
OK
Correction of G value
MG3GXXXX
When G is changed at gradation 6, calculate the ratio of the change and set the following value to XXXX: (the value set with WBI3) x 2 x (the ratio).
Adjustment values are set.
OK


PC
Set
Start measurement
Adjust RB to the target xy values.
MG3RXXXX
MG3BXXXX
* XXXX indicates the adjusted values between 0000 and 1023 (4 digit decimal number with zero fill).
* G is fixed.
* The default adjustment value of RGB is the parameter value of the WBI3 command multiplied by 2.
Repeat until RGB become the target values.
The adjustment value is reflected in the image.
Adjustment values are set.
OK
Adjustment gradation setting (point 2 = 64 gradation adjustment*)
LEV20064
(WBI20256)
Pattern display
Adjustment values are set.
OK
Correction of G value
MG2GXXXX
When G is changed at gradation 6, calculate the ratio of the change and set the following value to XXXX: (the value set with WBI2) x 2 x (the ratio).
Adjustment values are set.
OK
Start measurement
Adjust RB to the target xy values.
MG2RXXXX
MG2BXXXX
* XXXX indicates the adjusted values between 0000 and 1023 (4 digit decimal number with zero fill).
* G is fixed.
* The default adjustment value of RGB is the parameter value of the WBI2 command multiplied by 2.
Repeat until RGB become the target values.
The adjustment value is reflected in the image.
Adjustment values are set.
OK
Adjustment gradation setting (point 1 = 48 gradation adjustment*)
LEV10048
(WBI10192)
Pattern display
Adjustment values are set.
OK
Correction of G value
MG1GXXXX
When G is changed at gradation 6, calculate the ratio of the change and set the following value to XXXX: (the value set with WBI1) x 2 x (the ratio).
Adjustment values are set.
OK



2.3. Menu list in process A mode

Page	Line	Item	Explanation
4		TUNER VCHIP TEST (69ch)	Execute TUNER TEST
		TUNER VCHIP TEST (7ch)	
		TUNER VCHIP TEST (4ch)	
		TUNER VCHIP TEST (10ch)	
		TUNER VCHIP TEST (15ch)	

CHAPTER 4. TROUBLESHOOTING TABLE

[1] TROUBLESHOOTING TABLE

No audio output during UHF/VHF reception

Is SIF output from the tuner (TU1101_Pin15) normal?
- NO → Check the tuner and peripheral circuits.
- YES ↓

Is input signal fed to pin 21 of IC1401 (SIF Demodulator) normal?
- NO → Check the filter circuits (Q1102-3) and peripheral circuits.
- YES ↓

Are audio signals from pins 29 and 30 of IC1401 to pins 51 and 52 of IC1404 (CODEC) normal?
- NO → Check between pins 29 and 30 of IC1401 and pins 51 and 52 of IC1404 (CODEC).
- YES ↓

Are audio outputs of pins 38 and 39 of IC1404 normal?
- NO → Are the DSP_LRCK, DSP_BCKIN, DSP_SDIN1, DSP_MCLK, DSP_SDOUT1, DSP_SDOUT2 signals sent from IC1404 to IC1407 (DSP) normally?
  - YES ↓ Check IC1404 and peripheral circuits.
- YES ↓

Is audio input from pins 38 and 39 of IC1404 to pins 3 and 5 of IC2701(STEREO_AMP) normal?
- NO → Check the circuits between pins 38 and 39 of IC1404 and pins 3 and 5 of IC2701. (MUTE circuits: Q1307, Q1314, Q1313)
- YES ↓

Is audio output from IC2701 normal?
- NO → Check IC2701 and peripheral circuits.
- YES ↓

Check the connector (P2703) of TERMINAL_UNIT and around the speakers.

No monitor audio output

Is monitor audio output set to “Variable”?
- YES → Reset monitor audio output to “Fixed”.
- NO ↓

Are audio output pins 40 and 41 of IC1404 (CODEC) normal?
- NO → Check IC1404 and peripheral circuits.
- YES ↓

Are audio output pins 7 and 1 of IC1408 (Buffer_AMP) normal?
- NO → Check IC1408 and peripheral circuits.
- YES ↓

Check between IC1408 and MONITOR OUTPUT terminal (J502).

No audio output from external input

↓

<<HDMI>> [INPUT-4/INPUT5 (Digital audio mode)]
Is digital audio signal (DTV_SPDIF) fed from pin E12 of IC8101 to pin 4 of IC1404?

<<HDMI>> [INPUT-5 (Analog audio mode)]
Is L-ch audio signal fed from pin 3 of input terminal J1501 to pin 57 of IC1404?
Is R-ch audio signal fed from pin 2 of input terminal J1501 to pin 58 of IC1404?

PCINPUT<<INPUT-6>>
Is L-ch audio signal fed from pin 2 of input terminal J1502 to pin 55 of IC1404?
Is R-ch audio signal fed from pin3 of input terminal J1502 to pin 56 of IC1404?

<<INPUT-1>>
Is L-ch audio signal fed from input terminal J501 to pin 12 of IC1405?
Is R-ch audio signal fed from input terminal J501 to pin 1 of IC1405?

<<INPUT-2>>	<<INPUT-3>>
Is L-ch audio signal fed from input terminal J502 to pin 14 of IC1405?	Is L-ch audio signal fed from input terminal J501 to pin 15 of IC1405?
Is R-ch audio signal fed from input terminal J502 to pin 5 of IC1405?	Is R-ch audio signal fed from input terminal J501 to pin 2 of IC1405?

Is L-ch audio fed from pin 13 of IC1405 to pin 53 of IC1404?
Is R-ch audio fed from pin 3 of IC1405 to pin 54 of IC1404?

YES

No audio output during digital broadcasting reception

↓

Are the I2S signals DAKCK, SCLK, LRCK, and DATAOUT sent from pins B22, F13, E13 and F12 of IC8101 normally?

NO → Check around IC8101 BCM3551.

↓ YES

Are input signals of pins 24 (DAKCK), 11 (SCLK), 10 (LRCK), 32 (DATA) of IC1404 normal?

NO → Check the circuits between pins B22, F13, E13 and F12 of IC8101 and pins 24, 11, 10 and 32 of IC1404.

↓ YES

Are audio signals from pins 29 and 30 of IC1404 to pins 27 and 25 of IC1407 (DSP) normal?

NO → Check between pins 29 and 30 of IC1404 and pins 27 and 25 of IC1407 (DSP).

↓ YES

Are audio outputs pins 38 and 39 of IC1404 normal?

NO → Are the LRCK, BICK, SDTO and SDTI signals sent from IC1404 to IC1407 (DSP) normally?

↓ YES

Check IC1403 and peripheral circuits.

↓ YES

Is audio input from pins 38 and 39 of IC1404 to pins 3 and 5 of IC2701(STEREO_AMP) normal?

NO → Check the circuits between pins 38 and 39 of IC1404 and pins 3 and 5 of IC2701. (MUTE circuits: Q1307, Q1313, Q1314, Q1404)

↓ YES

Is audio output from IC2701 normal?

NO → Check IC2701 and peripheral circuits.

↓ YES

Check the connector (P2703) of TERMINAL_UNIT and around the speakers.

<Component video signal input> No video output (1)

No video output from external input <<INPUT-1>>

Is INPUT-1 selected on the input switching menu screen?

NO → Select INPUT-1 and the input signal on the input switching menu screen.

NO → When INPUT-1 cannot be selected since the characters INPUT-1 on the menu screen are gray.

Is the video signal detection function normal?
Check between J501 and pin 70 of IC501.

YES

Is video signal fed to pin 65 of IC501 (AV SWITCH)?

NO → Check between J501 and pin 65 of IC501.

YES

Is video signal sent to pin 60 of IC501?

NO → Check IC501 (AV SWITCH) and peripheral circuits.

YES

Is video signal sent to pin 2 of TERMINAL_UNIT connector (FC_SC501)?

NO → Check between IC501 and SC501. (Q501, Q502, etc.)

YES

Is video signal fed to pin 2 of MAIN_UNIT connector (FC_SC1101)?

NO → Check the board-to-board cable “FC”.

YES

Is video signal fed to pin K25 of IC8101 (Broadcom) via L.P.F. composed of Q2202 and Q2210?

NO → Check between IC501 and IC3301. (Q2202, Q2210, etc.)

YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

YES

Check LCD_CONTROL PWB.

<Component video signal input> No video output (2)

No video output from external input <<INPUT-2>>

Is INPUT-2 selected on the input switching menu screen?

NO → Select INPUT-2 and the input signal on the input switching menu screen.

NO → When INPUT-2 cannot be selected since the characters INPUT-2 on the menu screen are gray.

Is the video signal detection function normal?
Check between J502 and pin 76 of IC501.

YES

Is video signal fed to pin 71 of IC501 (AV SWITCH)?

NO → Check between J502 and pin 71 of IC501.

YES

Is video signal sent to pin 60 of IC501?

NO → Check IC501 (AV SWITCH) and peripheral circuits.

YES

Is video signal sent to pin 2 of TERMINAL_UNIT connector (FC_SC501)?

NO → Check between IC501 and SC501. (Q501, Q502, etc.)

YES

Is video signal fed to pin 2 of MAIN_UNIT connector (FC_SC1101)?

NO → Check the board-to-board cable “FC”.

YES

Is video signal fed to pin K25 of IC8101 (Broadcom) via L.P.F. composed of Q2202 and Q2210?

NO → Check between IC501 and IC3301. (Q2202, Q2210, etc.)

YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

YES

Check LCD_CONTROL PWB.

<Composite video signal/S-video signal input> No video output (3)

No video output from external input <<INPUT-3>>

Is INPUT-3 selected on the input switching menu screen?

NO → Select INPUT-3 and the input signal on the input switching menu screen.

NO → When INPUT-3 cannot be selected since the characters INPUT-3 on the menu

Is the video signal detection function normal? Check between J501 and pin 2 of IC501.

Is the S-video signal detection function normal? Check between J503 and pin 42 of IC501.

YES

Is signal fed to each input terminal of IC501 (AV SWITCH)?

<Composite video signal input>
Is video signal fed to pin 3 of IC501?

NO → Check between J501 and pin 3 of IC501.

<S-video signal input>
Are Y and C signals fed to pins 5 and 7 of IC501 respectively?

NO → Check between J503 and pins 5 and 7 of IC501.

YES

<Composite video signal input>
Is video signal sent to pin 60 of IC501?
<S-video signal input>
Are Y and C signals sent to pins 60 and 59 of IC501 respectively?

NO → Check IC501 (AV SWITCH) and peripheral circuits.

YES

<Composite video signal input>
Is video signal sent to pin 2 of TERMINAL_UNIT connector (FC_SC501)?
<S-video signal input>
Are Y and C signals sent to pins 2 and 4 of TERMINAL_UNIT connector (FC_SC501) respectively?

NO → Check between IC501 and SC501. (Q501, Q502, Q503, Q504, etc.)

YES

<Composite video signal input>
Is video signal fed to pin 2 of MAIN_UNIT connector (FC_SC1101)?
<S-video signal input>
Are Y and C signals fed to pins 2 and 4 of MAIN_UNIT connector (FD_SC1101) respectively?

NO → Check the board-to-board cable “FC”.

YES

<Composite video signal input>
Is video signal fed to pin K25 of IC8101 (Broadcom) via L.P.F. composed of Q2202 and Q2210?
<S-video signal input>
Are Y and C signals fed to pins k25 and L24 of IC8101 (Broadcom) via L.P.F. composed of Q2202 and Q2210 and via L.P.F. composed of Q2203 and Q2211 respectively?

NO → Check between SC1101 and IC3301. (Q2202, Q2210, etc.)/ (Q2203, Q2211, etc.)

YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

YES

Check LCD_CONTROL PWB.

<Component video signal input> No video output (4)

No video output from external input <<INPUT-1>>

Is INPUT-1 selected on the input switching menu screen?

NO → Select INPUT-1 and the input signal on the input switching menu screen.

When INPUT-1 cannot be selected since the characters INPUT-1 on the menu screen are gray.

↓

Is the component video signal detection function normal? Check between 8 pin of J501 and pin 38 of IC501.

YES

Are component video signals fed to pins 21, 23 and 25 (Y, PB and PR) of IC501(AV SWITCH)?

NO → Check between J501 and each input pin of IC501.

YES

Are Y, PB and PR signals sent to pins 60, 59 and 58 of IC501 respectively?

NO → Check IC501 and peripheral circuits.

YES

Are component video signals sent to pins 2, 4 and 6 of TERMINAL_UNIT connector (FC_SC501)?

NO → Check between IC501 and SC501. (Q501-Q506, etc.)

YES

Are component video signals fed to pins 2, 4 and 6 of MAIN_UNIT connector (FC_SC1101)?

NO → Check the board-to-board cable “FC”.

YES

Are Y, Pb and Pr signals fed to pins L26, J25, J26 of IC8101 (Broadcom) respectively?

NO → Check between SC1101 and IC8801. (Q2210, Q2211, Q2212, etc.)

YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

YES

Check LCD_CONTROL PWB.

<Component video signal input> No video output (5)

No video output from external input <<INPUT-2>>

Is INPUT-2 selected on the input switching menu screen?

NO → Select INPUT-2 and the input signal on the input switching menu screen.

When INPUT-2 cannot be selected since the characters INPUT-2 on the menu screen are gray.

↓

Is the component video signal detection function normal? Check between 8 pin of J502 and pin 40 of IC501.

YES

Are component video signals fed to pins 27, 29 and 31 (Y, PB and PR) of IC501(AV SWITCH)?

NO → Check between J502 and each input pin of IC501.

YES

Are Y, PB and PR signals sent to pins 60, 59 and 58 of IC501 respectively?

NO → Check IC501 and peripheral circuits.

YES

Are component video signals sent to pins 2, 4 and 6 of TERMINAL_UNIT connector (FC_SC501)?

NO → Check between IC501 and SC501. (Q501-Q506, etc.)

YES

Are component video signals fed to pins 2, 4 and 6 of MAIN_UNIT connector (FC_SC1101)?

NO → Check the board-to-board cable “FC”.

YES

Are Y, Pb and Pr signals fed to pins L26, J25, J26 of IC8101 (Broadcom) respectively?

NO → Check between SC1101 and IC8801. (Q2210, Q2211, Q2212, etc.)

YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

YES

Check LCD_CONTROL PWB.

No video output from HDMI input (INPUT4)

↓ INPUT4

Are signals fed from HDMI (SC1501) connector to input terminals H_RX0± (pins 70 and 71), H_RX1± (pins 73 and 74), H_RX2± (pins 76 and 77) and H_RXC± (pins 67 and 68) of IC1507 (TMDS_SW)?

NO → Is IC1501 (E^2PROM) accessed with I2C when connecting HDMI device and is DDC_I2C_CLOCK/DATA data read out?

↓ NO

Check IC1501 and peripheral circuits.
Are cables connected securely?

↓ YES

Check the setting of HDMI device.

↓ YES

Are signals fed from IC1507 (TMDS_SW) to input terminals H_RX0± (pins B19 and A19), H_RX1± (pins A18 and B18), H_RX2± (pins D18 and C18) and H_RXC± (pins C19 and D19) of IC8101 (Broadcom)?

NO → Check IC1507 (TMDS_SW) and peripheral circuits.
For INPUT4, pin 21 is Low and pin 22 is High.

↓ YES

Are digital video (LVDS) signals sent from pins 37-42 and 45-48 of IC2602?

NO → Check IC2602 and peripheral circuits.

Are digital video (COMOS) signal sent from IC8101 (DVODATA 0 ~ 23, DVOCLKO, DVODE, DVOHSYNC, DVOVSYNC)?

NO → Check IC8101 and peripheral circuits.

↓ YES

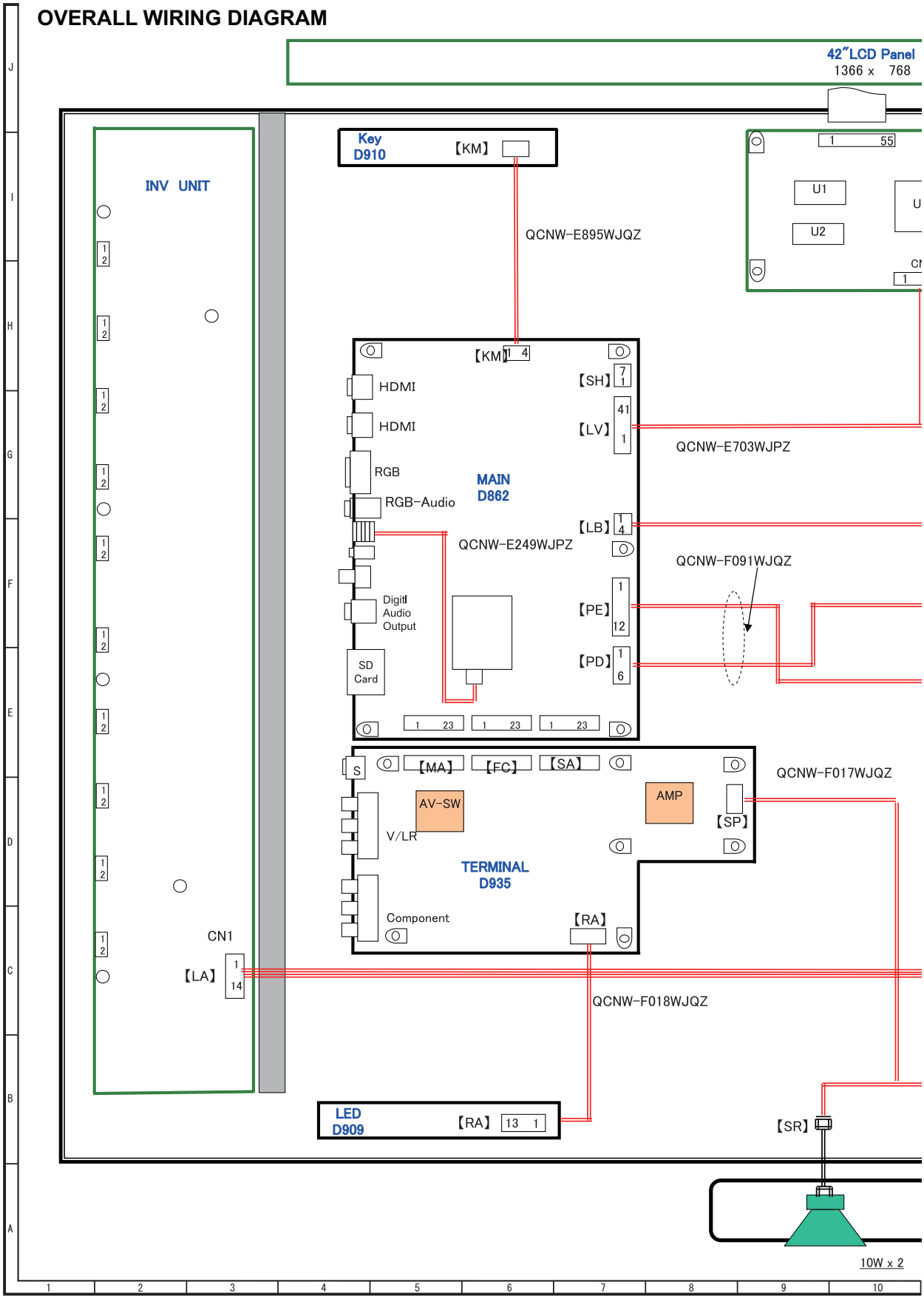
Check LCD_CONTROL PWB.

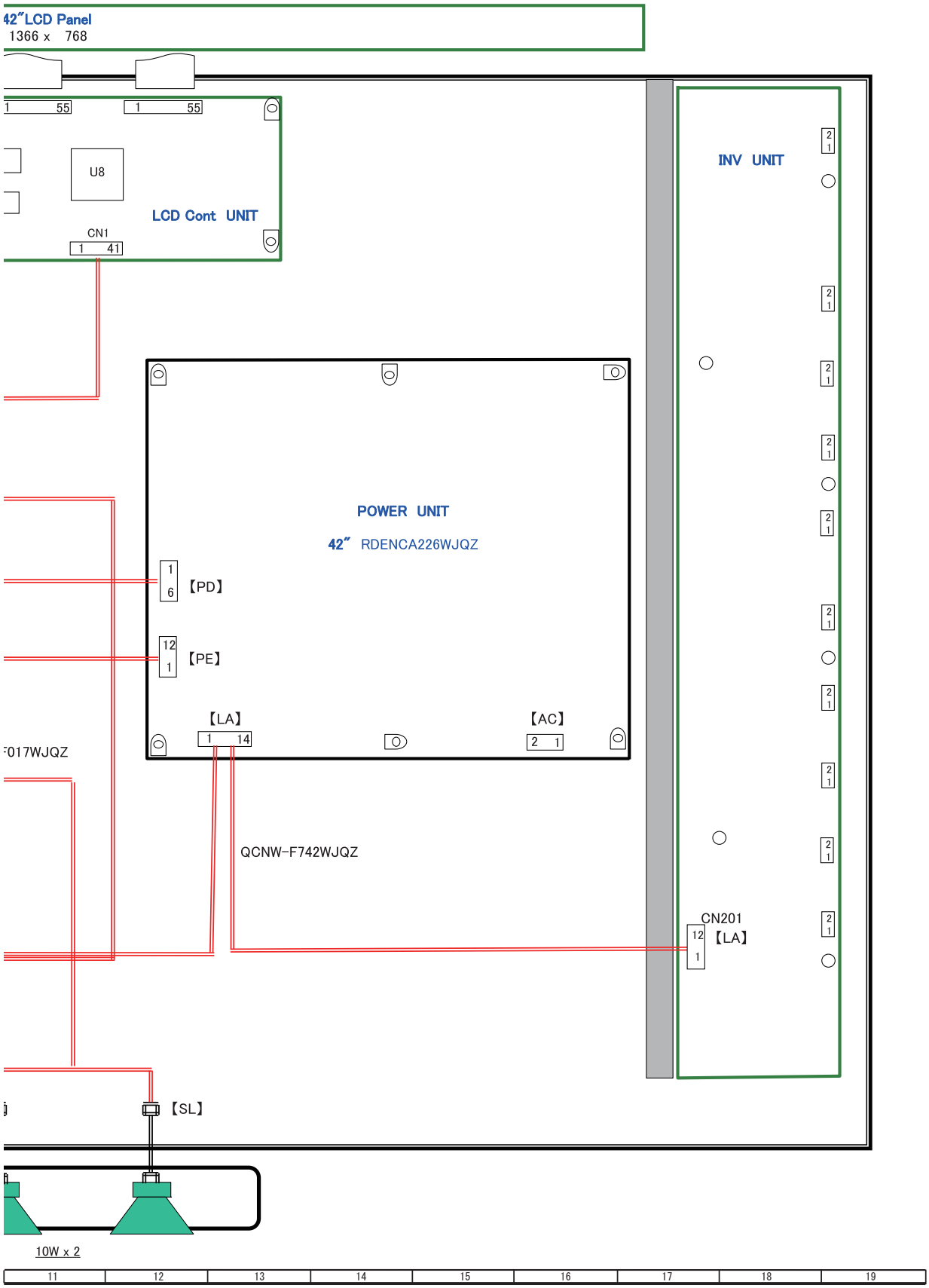
When using an old HDMI transmission device, some video formats cannot be selected or no sound is heard. Since this model conforms to the latest HDMI standard, the HDMI transmission device does not recognize the data of the latest version correctly. It is necessary to upgrade its firmware. Download the latest firmware from the web site of each manufacturer, or contact the customer service center of each manufacturer.

CHAPTER 5. OVERALL WIRING DIAGRAM/BLOCK DIAGRAM

[1] OVERALL WIRING DIAGRAM

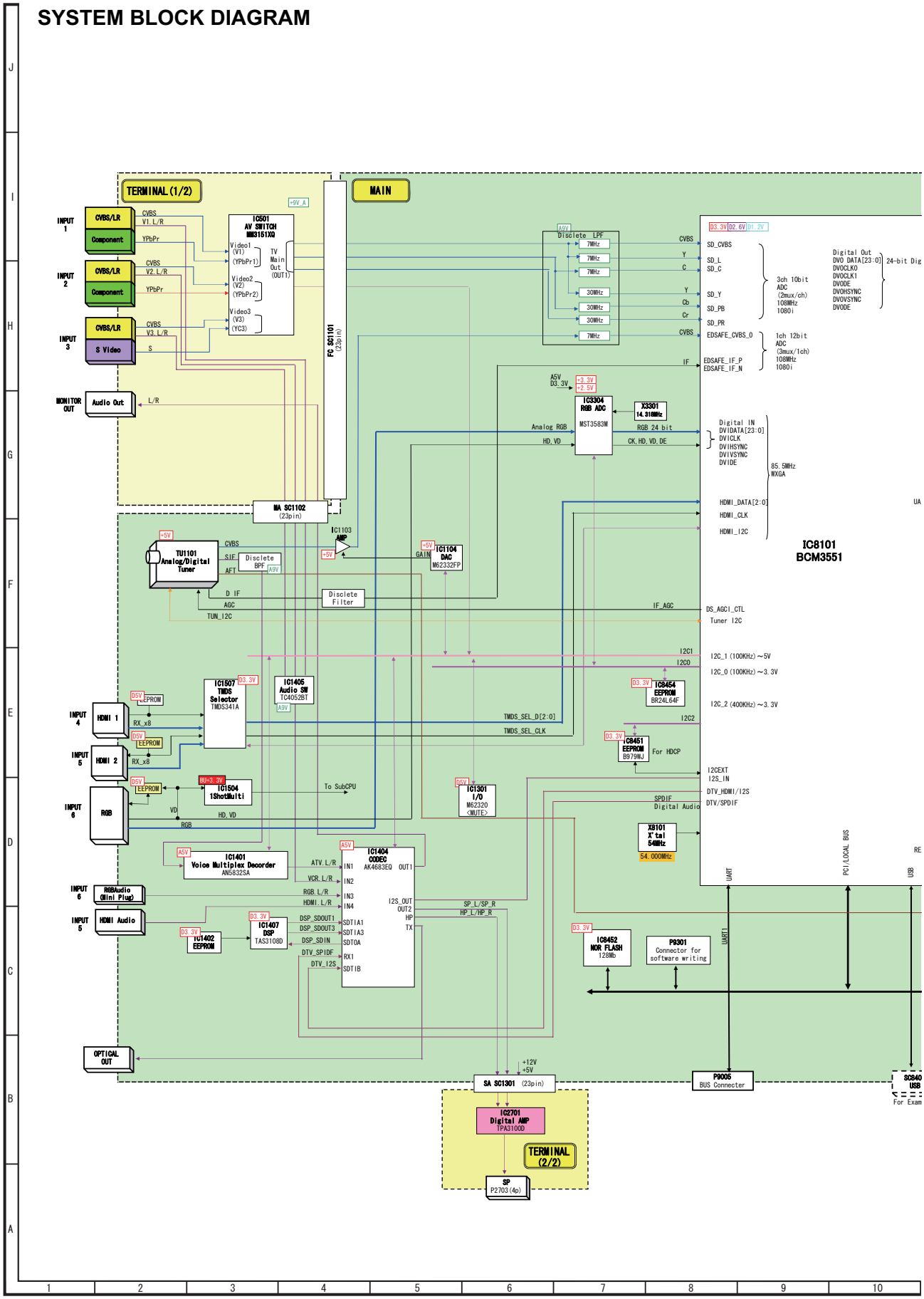
OVERALL WIRING DIAGRAM

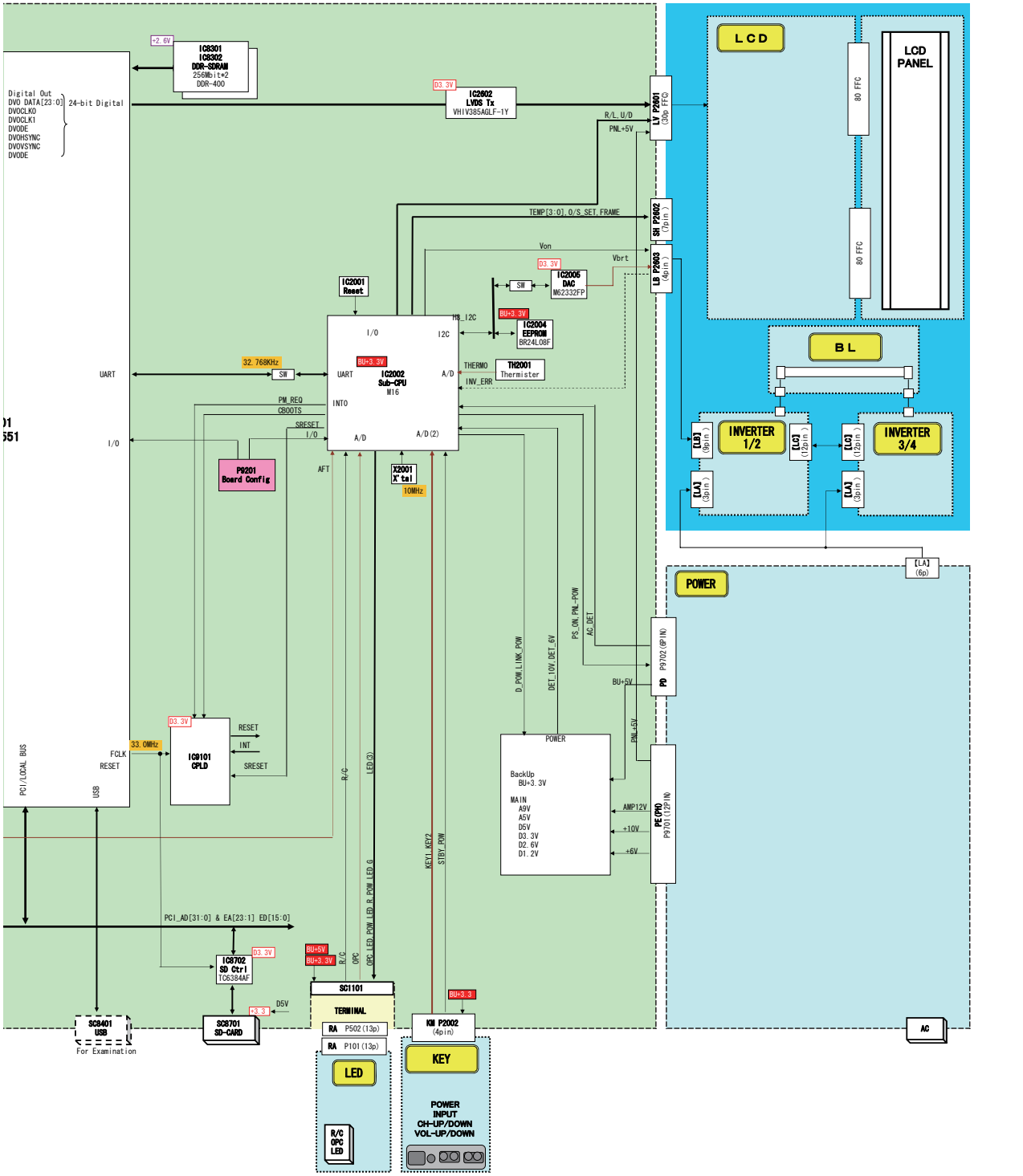



42″LCD Panel
1366 x 768
1 55
1 55
U8
LCD Cont UNIT
CN1
1 41
INV UNIT
POWER UNIT
42″ RDENCA226WJQZ
1 6 【PD】
12 1 【PE】
【LA】
1 14
【AC】
2 1
017WJQZ
QCNW-F742WJQZ
CN201
12 1 【LA】
【SL】
10W x 2
11 12 13 14 15 16 17 18 19

[2] SYSTEM BLOCK DIAGRAM

SYSTEM BLOCK DIAGRAM

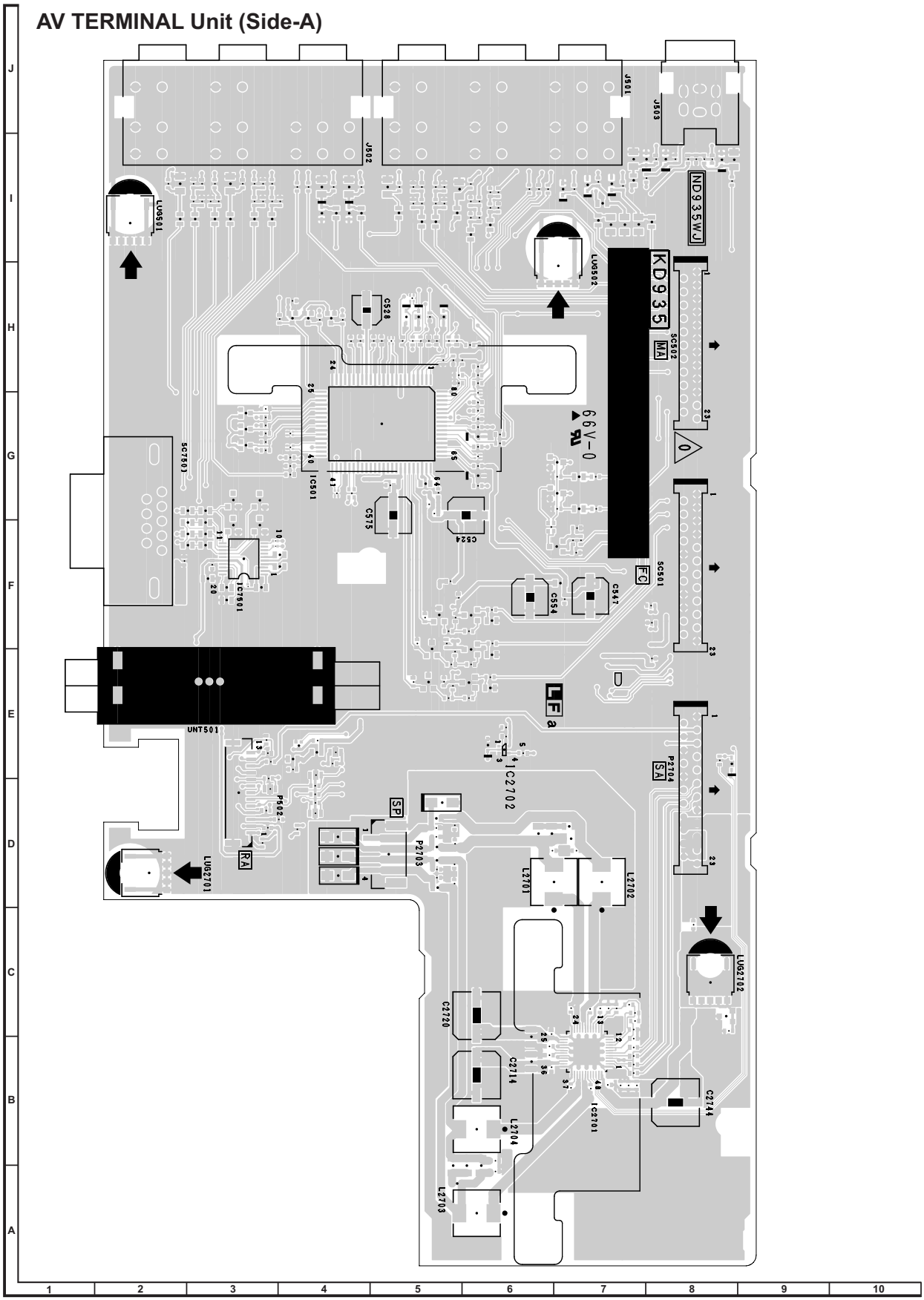




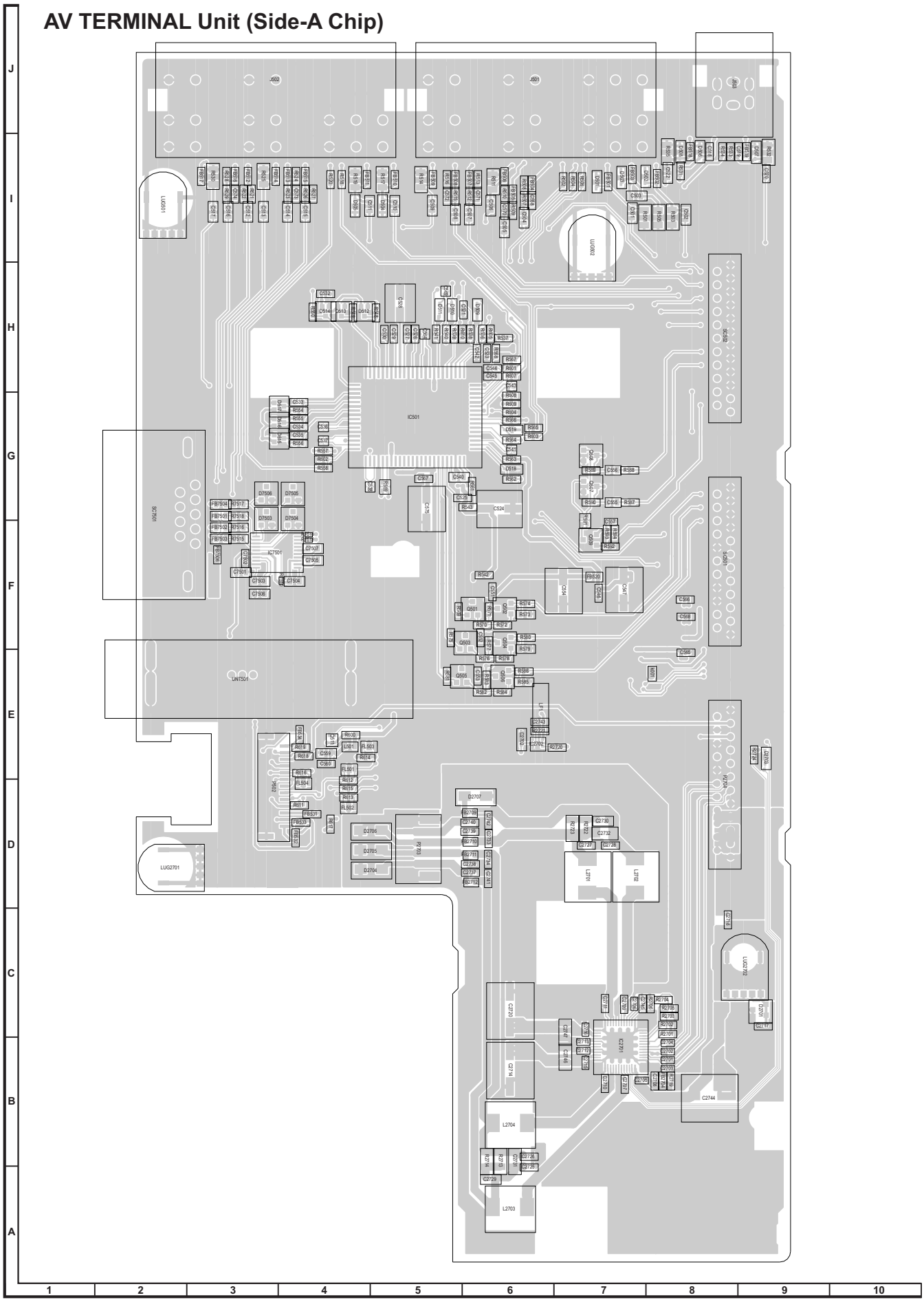
11	12	13	14	15	16	17	18	19

CHAPTER 6. PRINTED WIRING BOARD

[1] AV TERMINAL UNIT PRINTED WIRING BOARD



AV TERMINAL Unit (Side-A Chip)



— MEMO —

CHAPTER 7. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

1. VOLTAGE MEASUREMENT CONDITION:

1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

2. INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1) The unit of resistance "Ω" is omitted.

   (K=kΩ=1000Ω, M=MΩ).

2) All resistors are ± 5%, unless otherwise noted.

   (K= ± 10%, F= ± 1%, D= ± 0.5%)

3) All resistors are 1/16W, unless otherwise noted.

CAPACITOR

1) All capacitors are μF, unless otherwise noted.

   (P=pF=μμF).

2) All capacitors are 50V, unless otherwise noted.

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:
1) DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2) SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

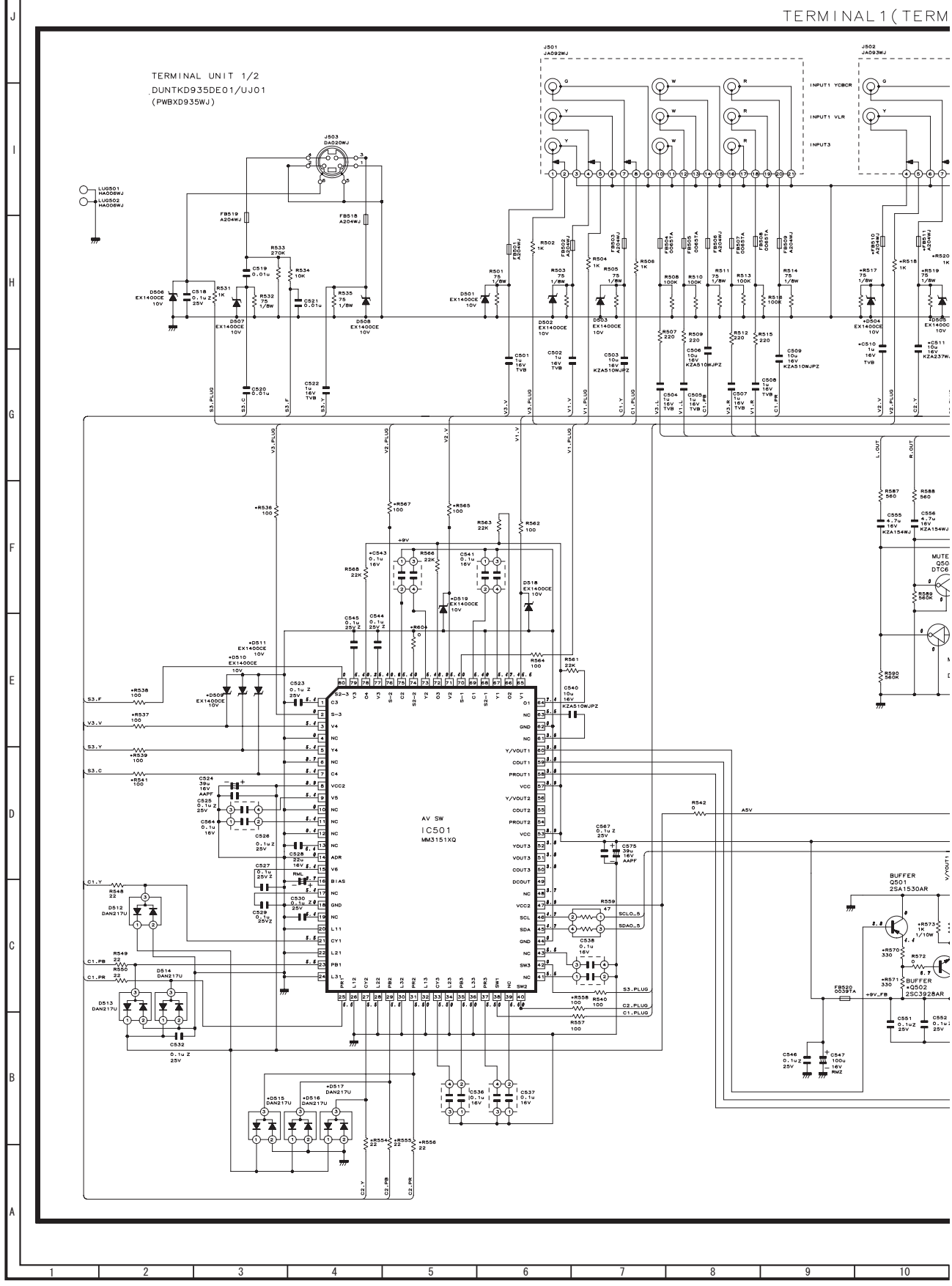
PARTS MARKED WITH "⚠" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

AVIS DE SECURITE IMPORTANT:

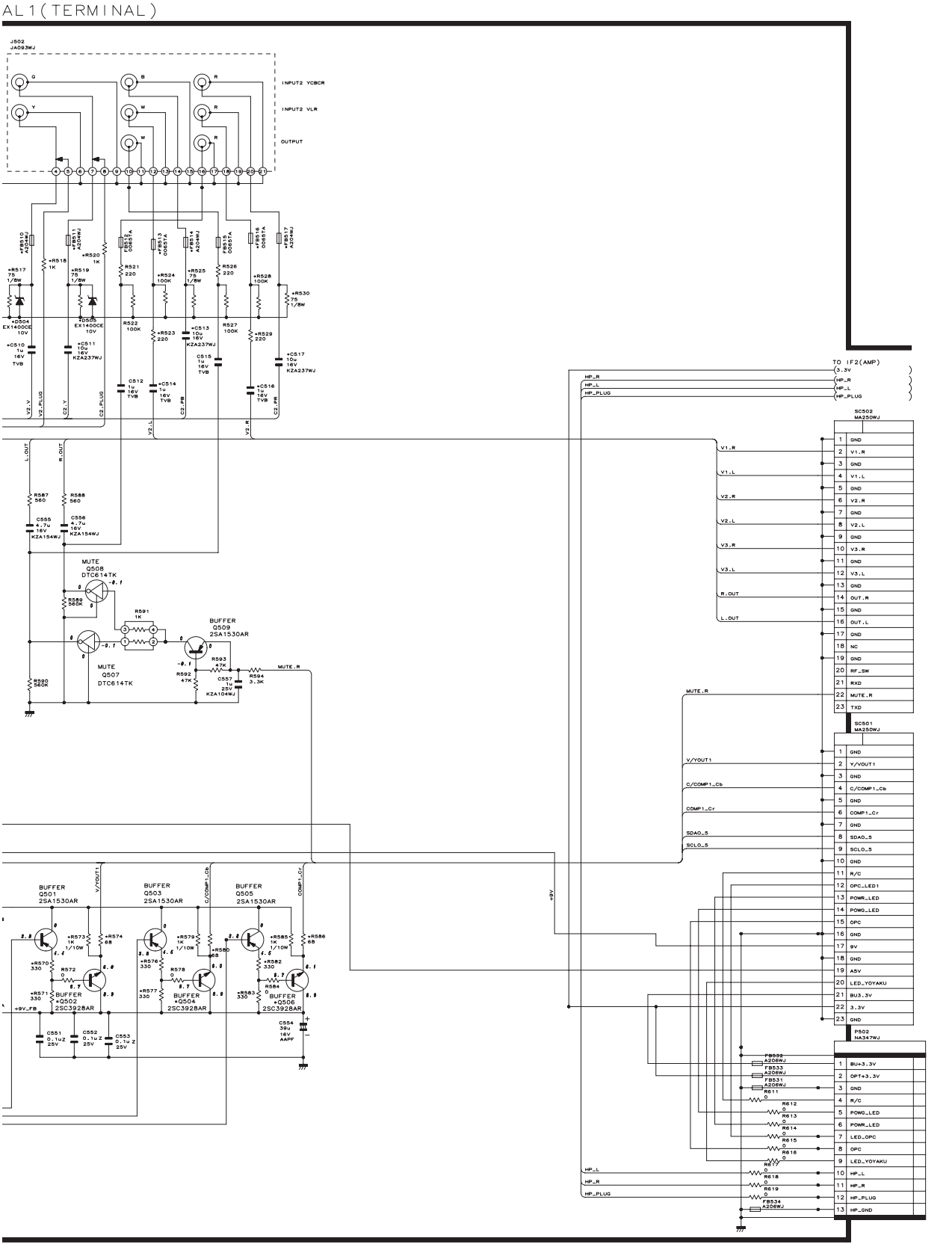
LES PIECES MARQUEES "⚠" ( ) SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL.
NE REMPLACER CES PIEDES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

[2] SCHEMATIC DIAGRAM

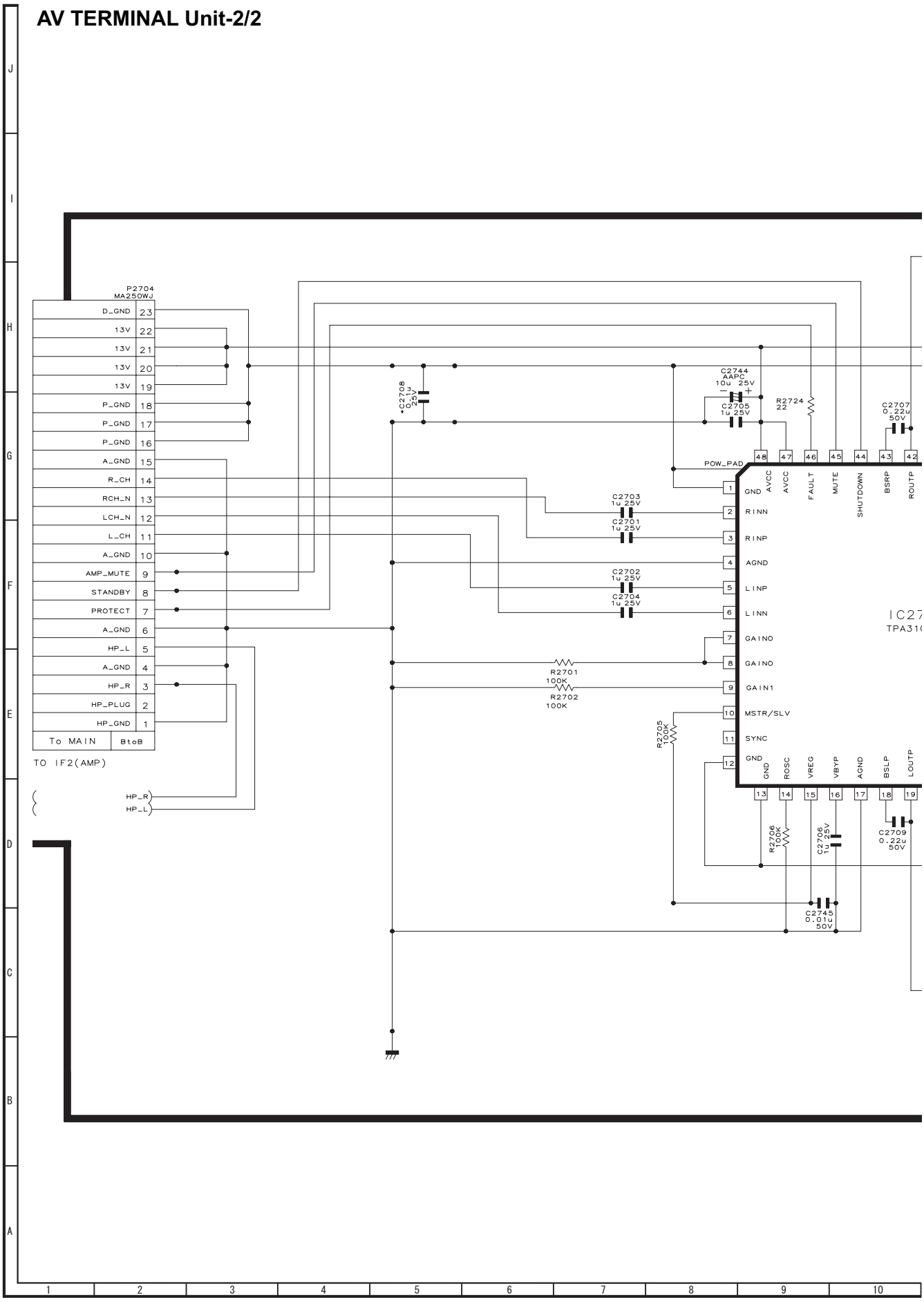
AV TERMINAL Unit-1/2



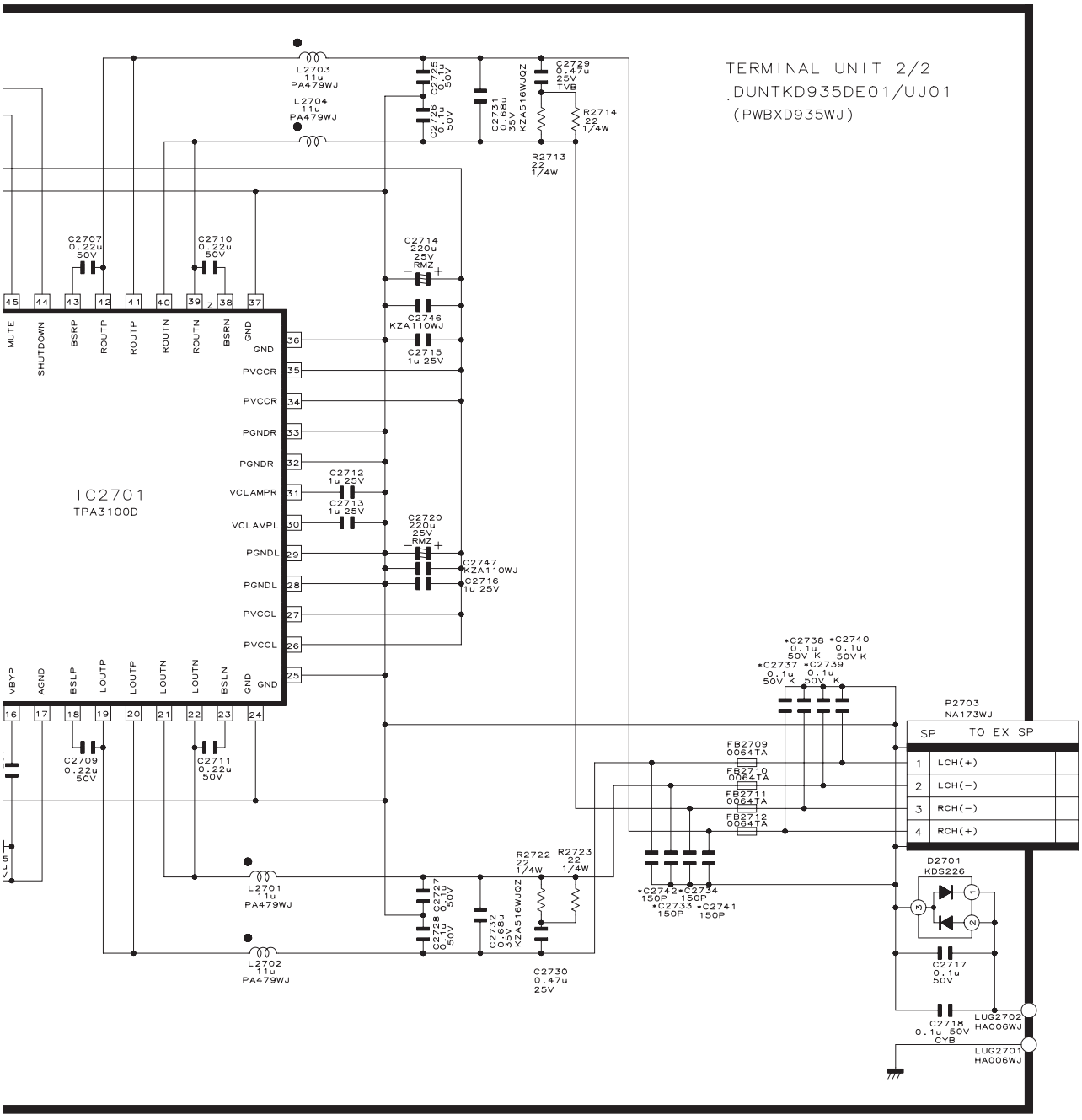
AL1(TERMINAL)



AV TERMINAL Unit-2/2

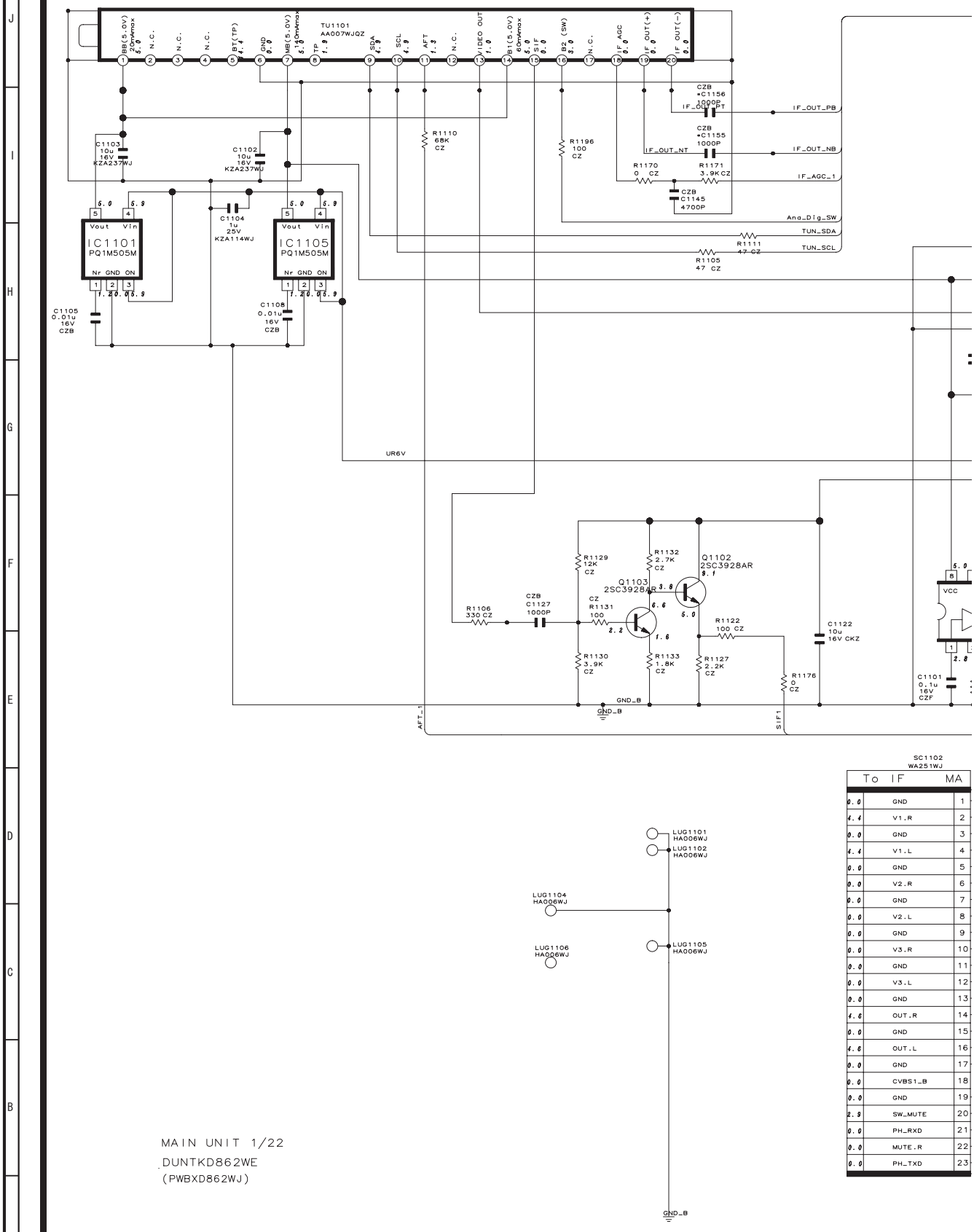


TERMINAL 2 (AMP)



11	12	13	14	15	16	17	18	19

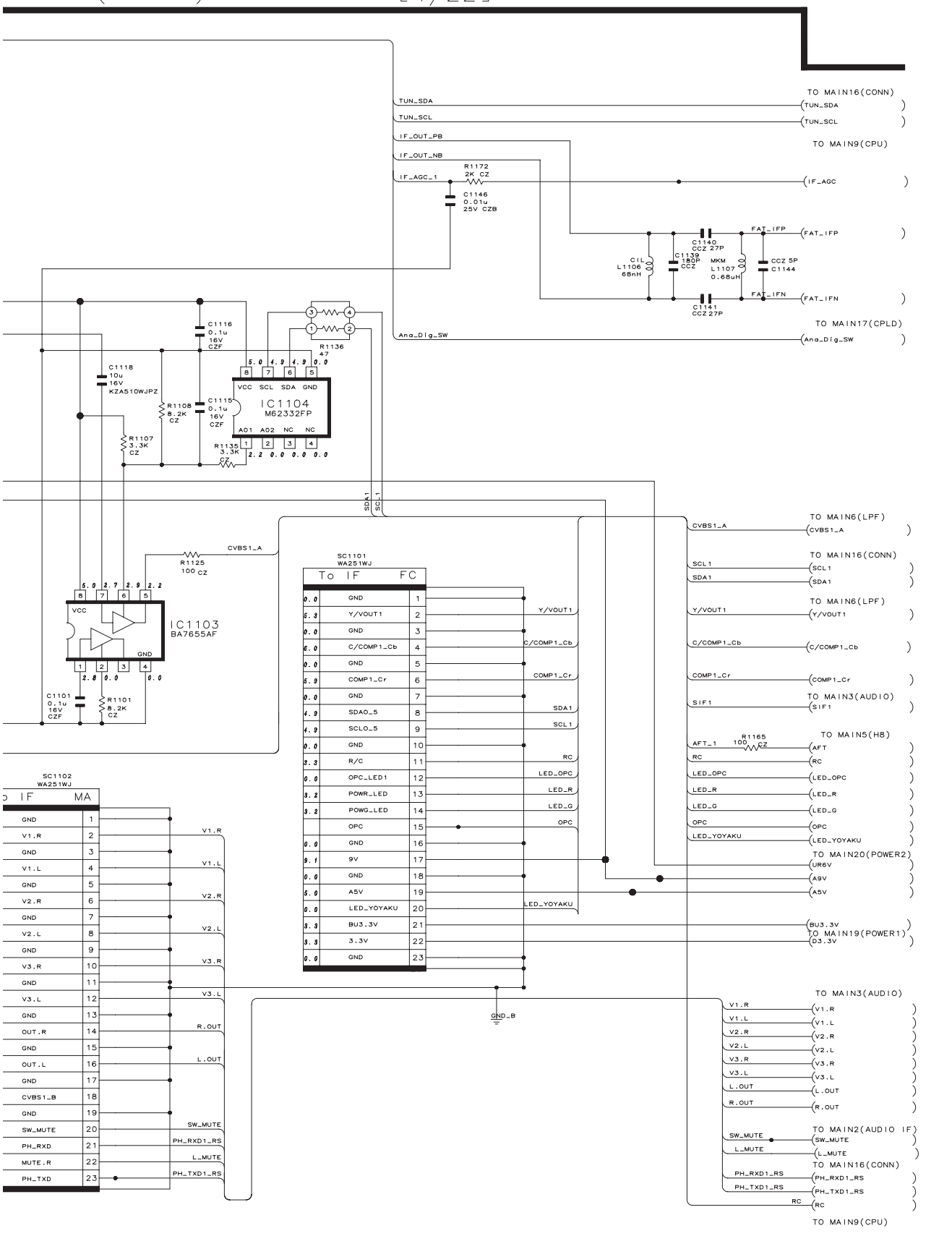
MAIN Unit-1/20



SC1102
WA251WJ

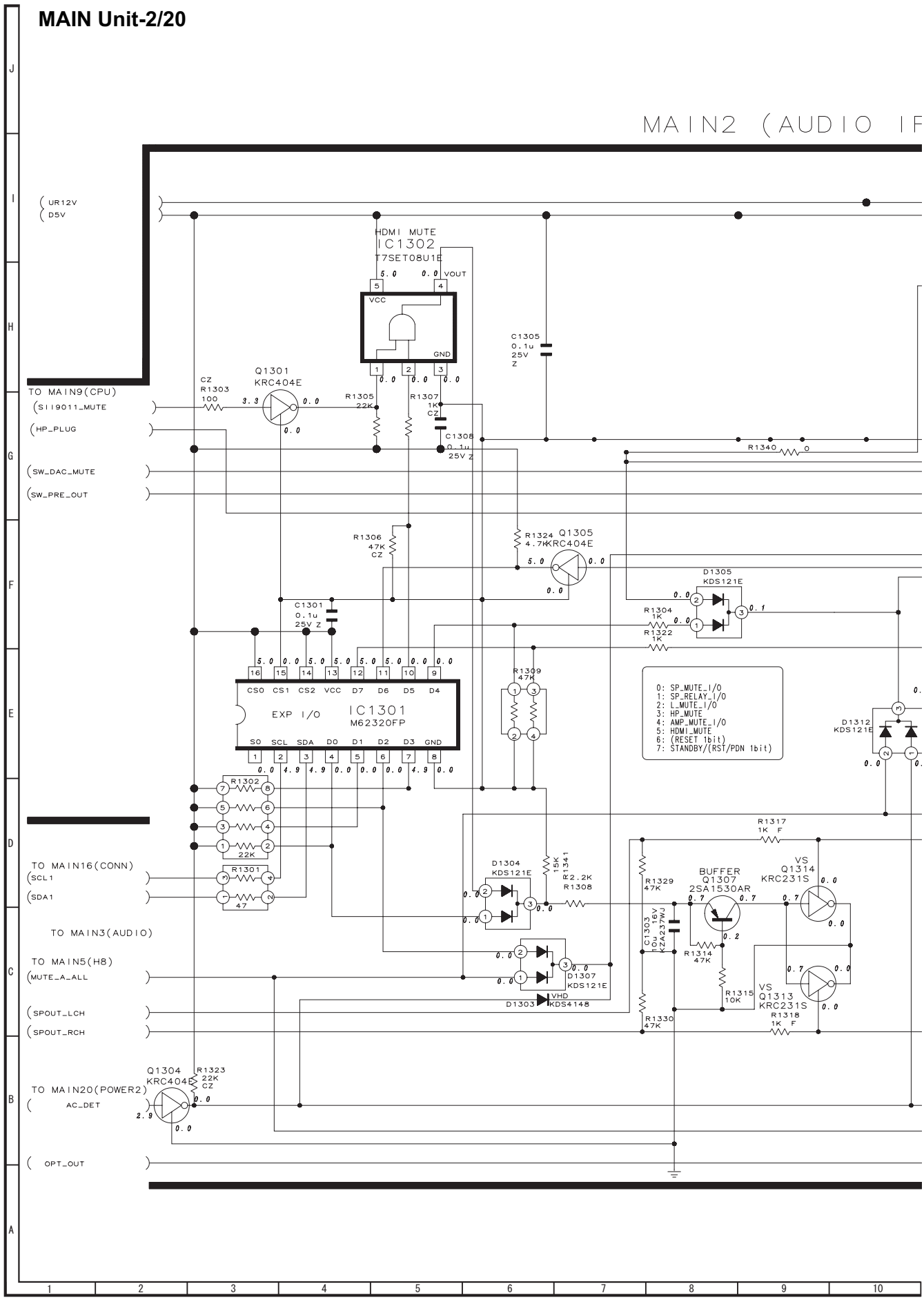
To IF		MA
0.0	GND	1
4.4	V1.R	2
0.0	GND	3
4.4	V1.L	4
0.0	GND	5
0.0	V2.R	6
0.0	GND	7
0.0	V2.L	8
0.0	GND	9
0.0	V3.R	10
0.0	GND	11
0.0	V3.L	12
0.0	GND	13
4.6	OUT.R	14
0.0	GND	15
4.6	OUT.L	16
0.0	GND	17
0.0	CVBS1_B	18
0.0	GND	19
2.9	SW_MUTE	20
0.0	PH_RXD	21
0.0	MUTE.R	22
0.0	PH_TXD	23

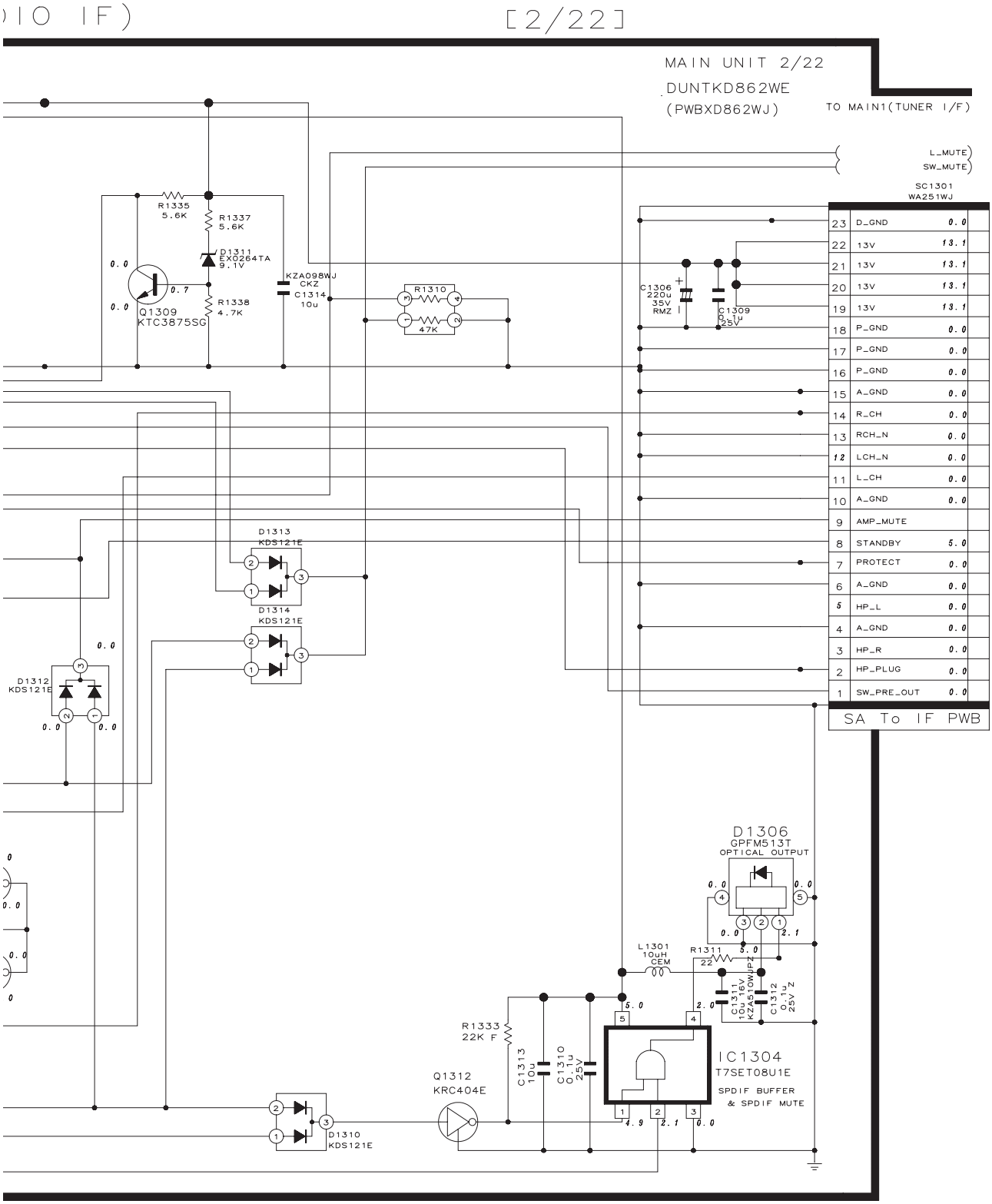
MAIN1 (TUNER) [1/22]



11	12	13	14	15	16	17	18	19

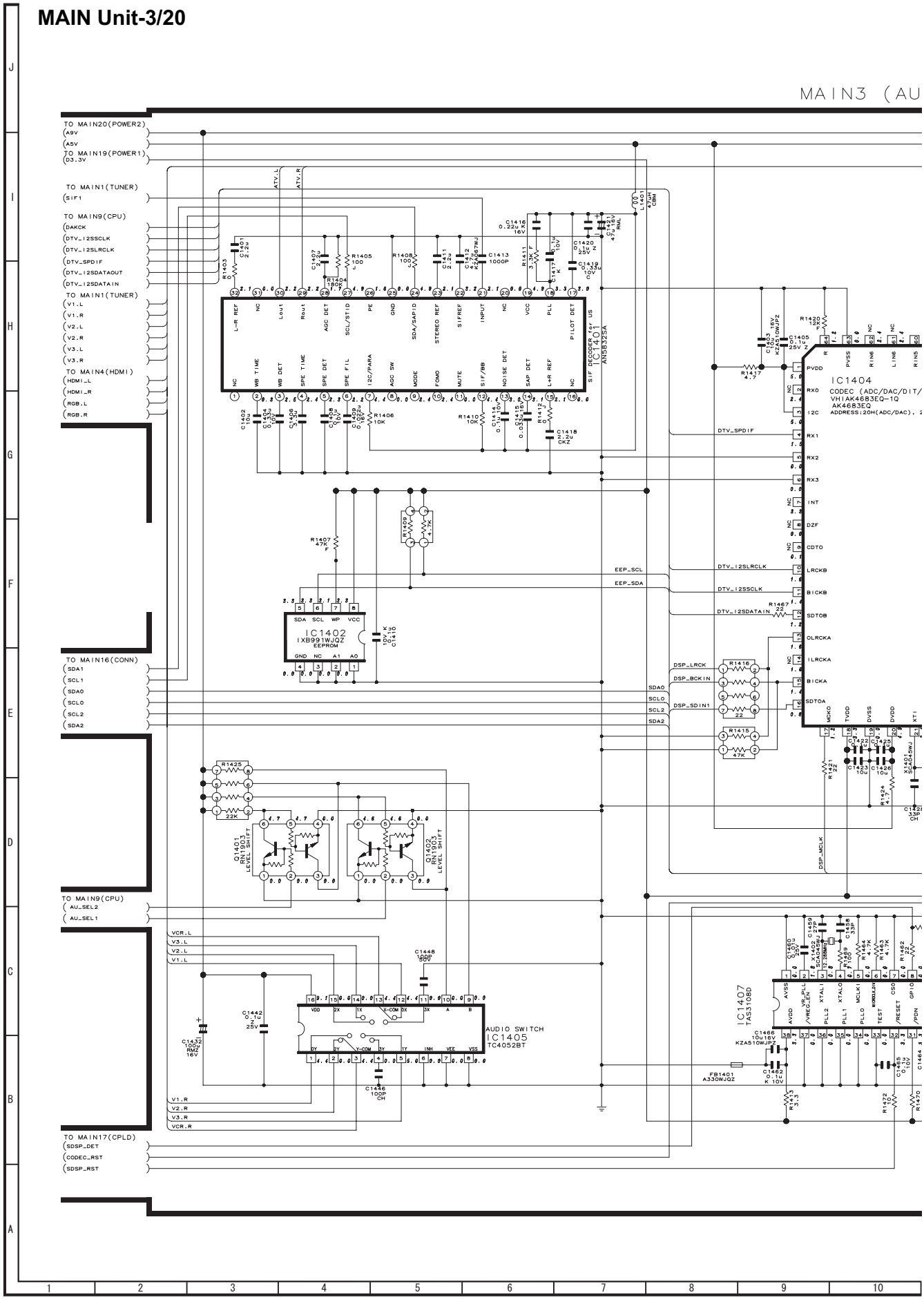
MAIN Unit-2/20



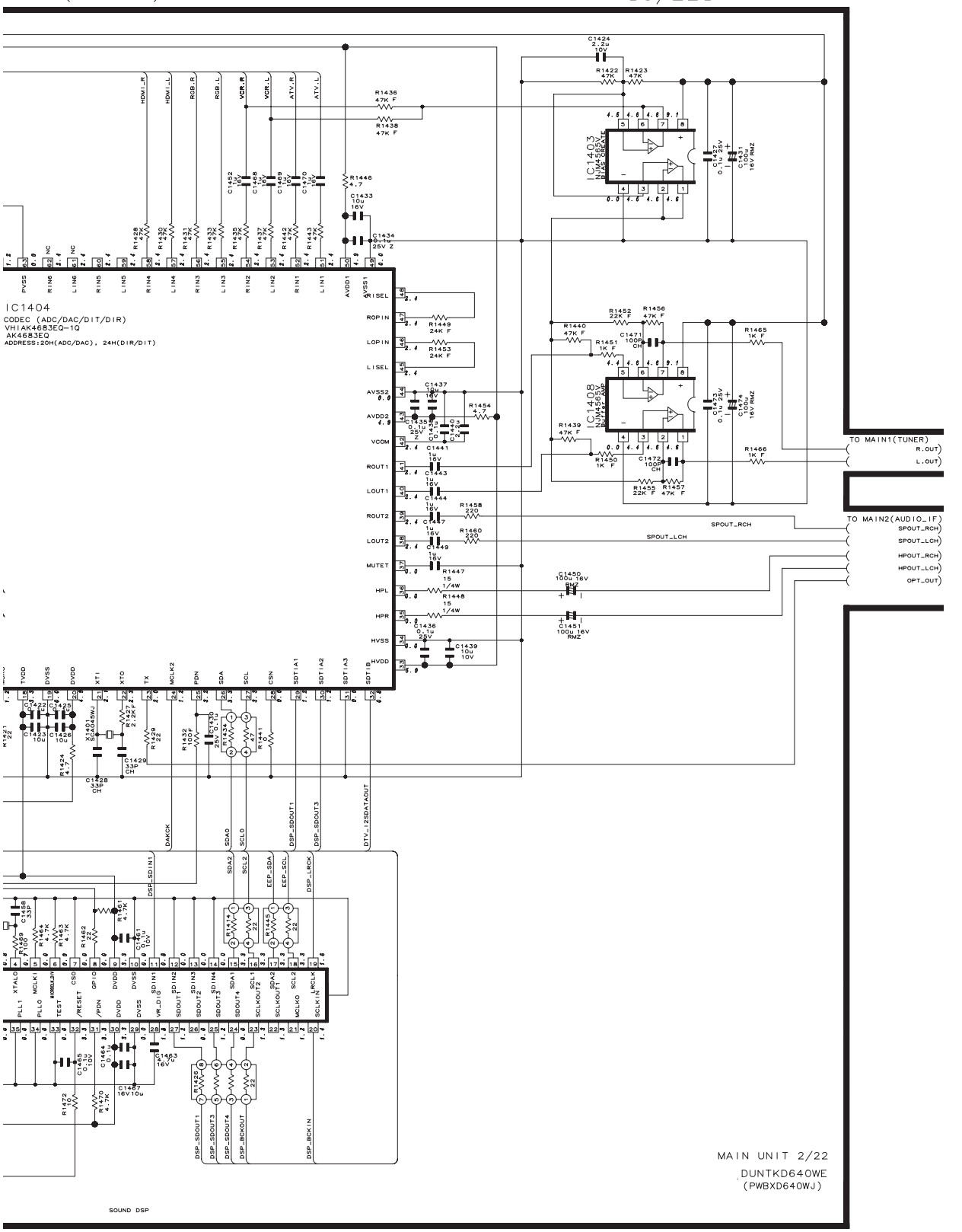


11	12	13	14	15	16	17	18	19

MAIN Unit-3/20

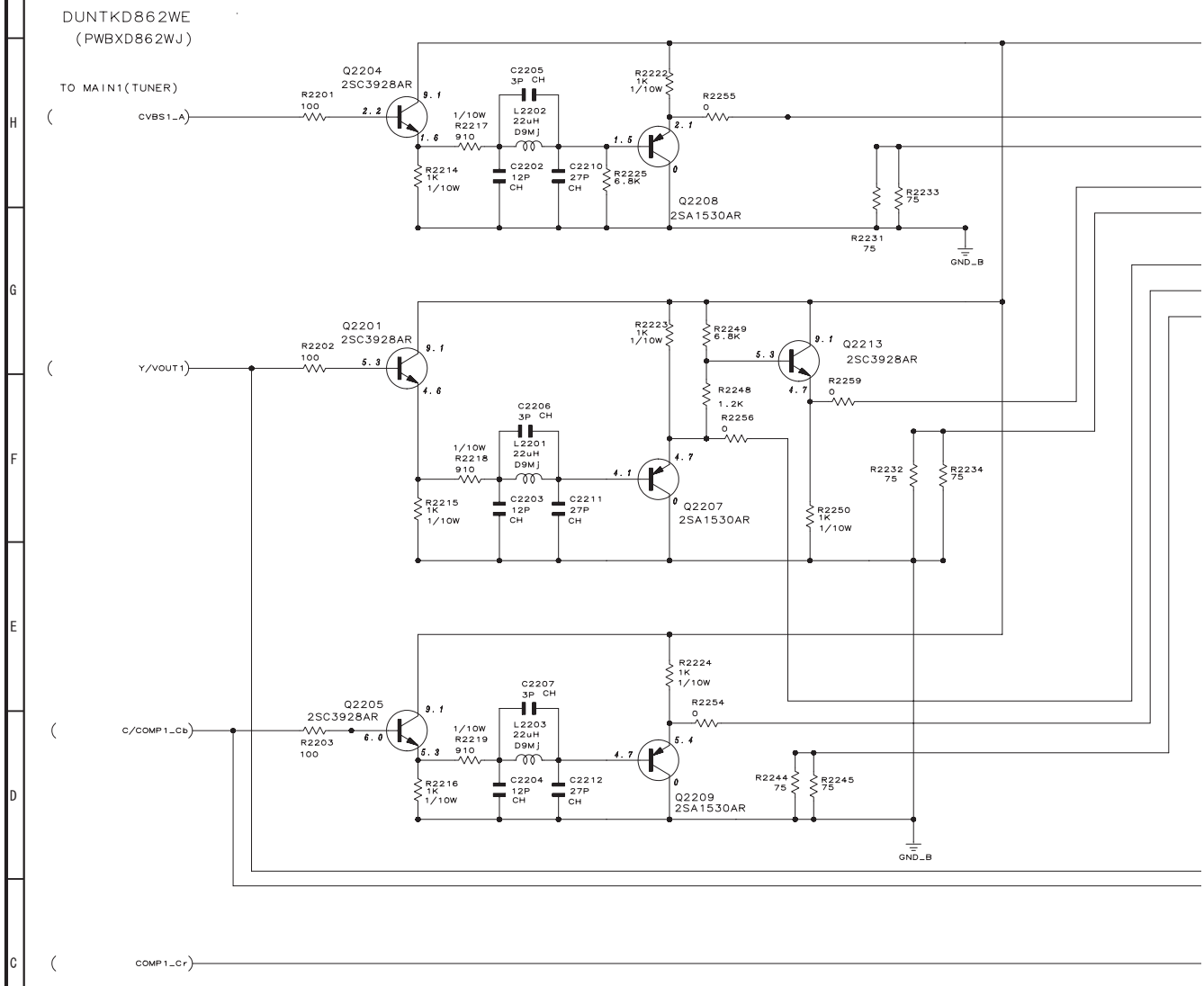


IN3 (AUDIO) [3/22]

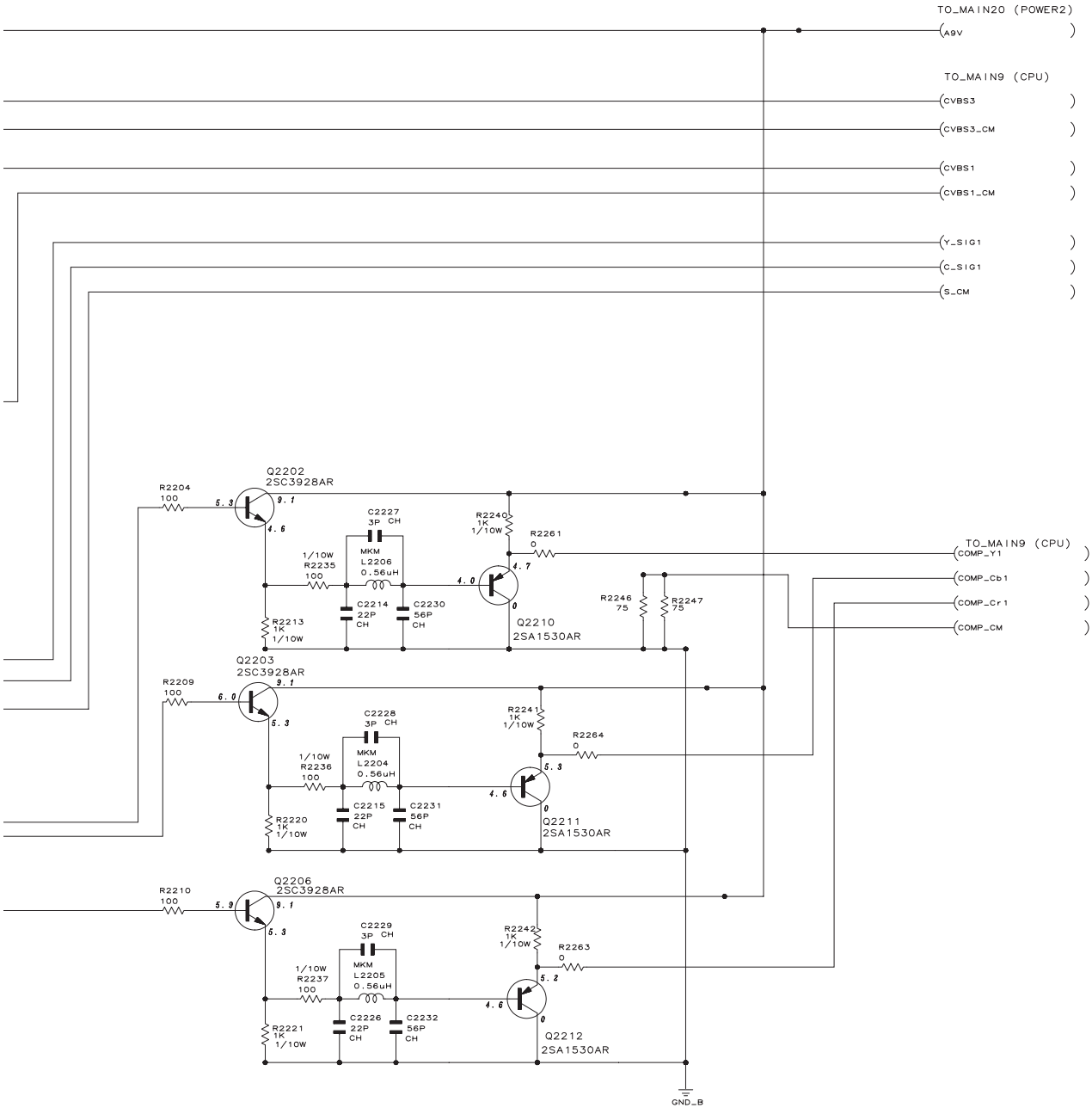


MAIN Unit-4/20

MAIN6 (LPF)

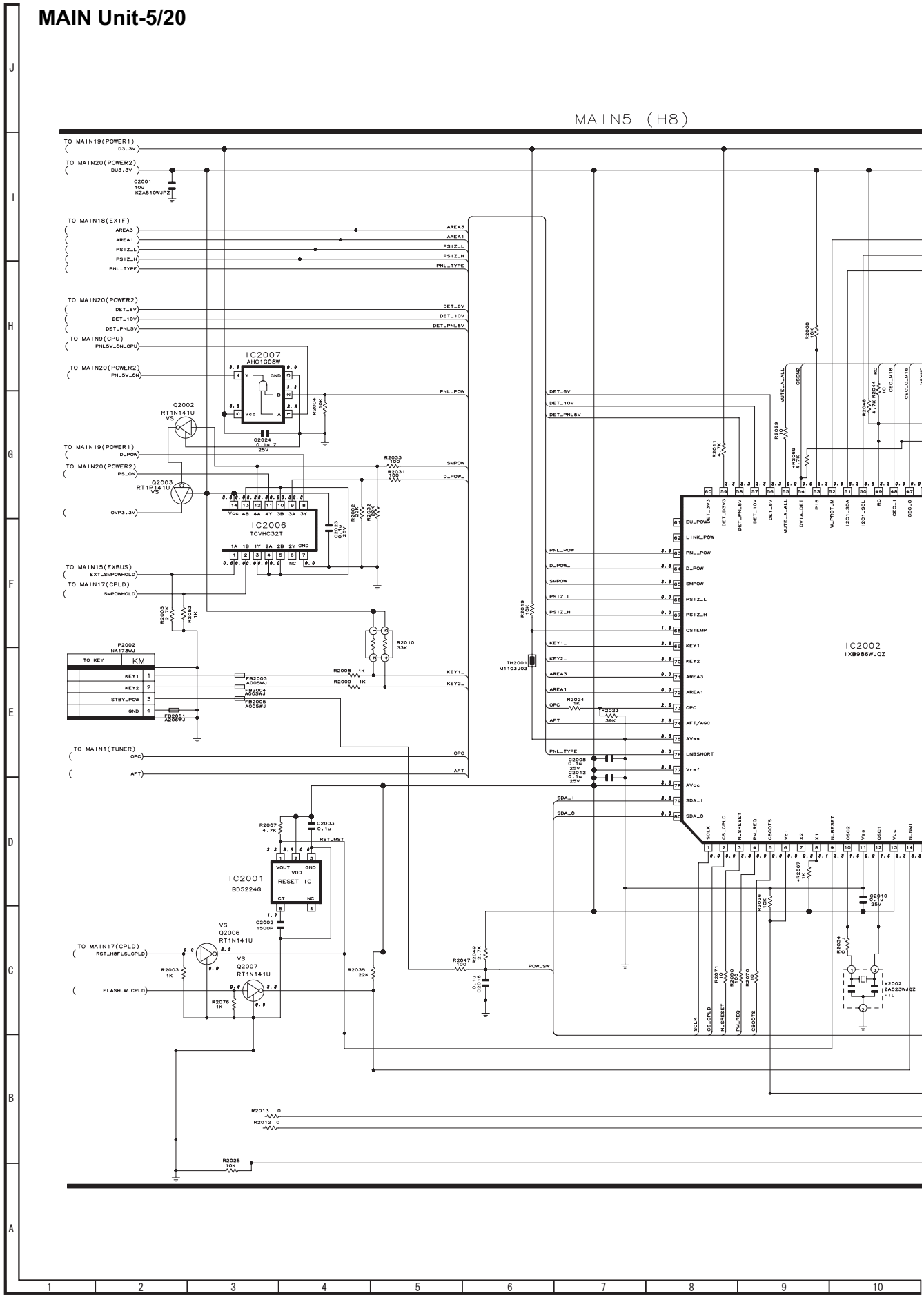


6 (LPF) [6/22]

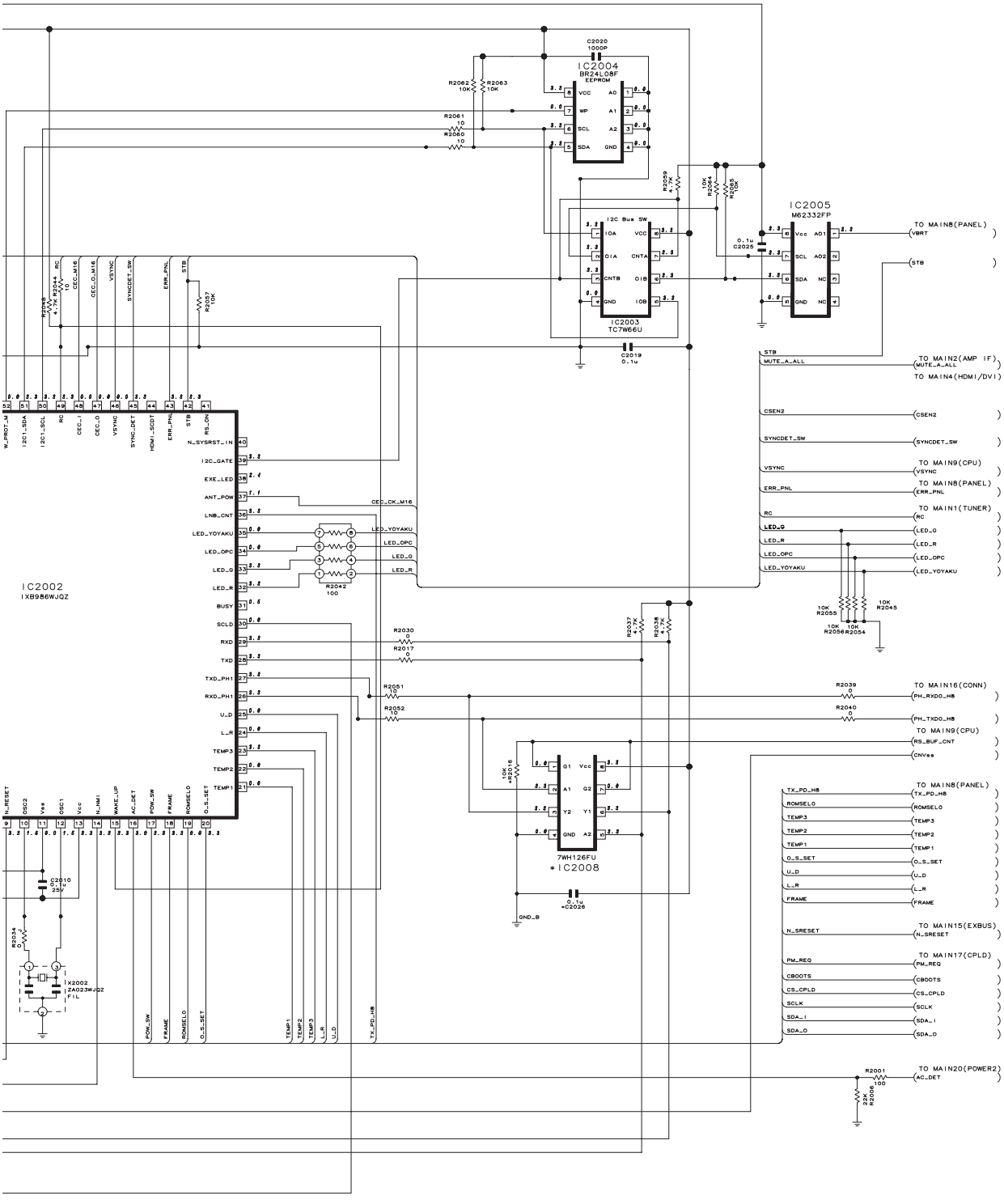


11	12	13	14	15	16	17	18	19

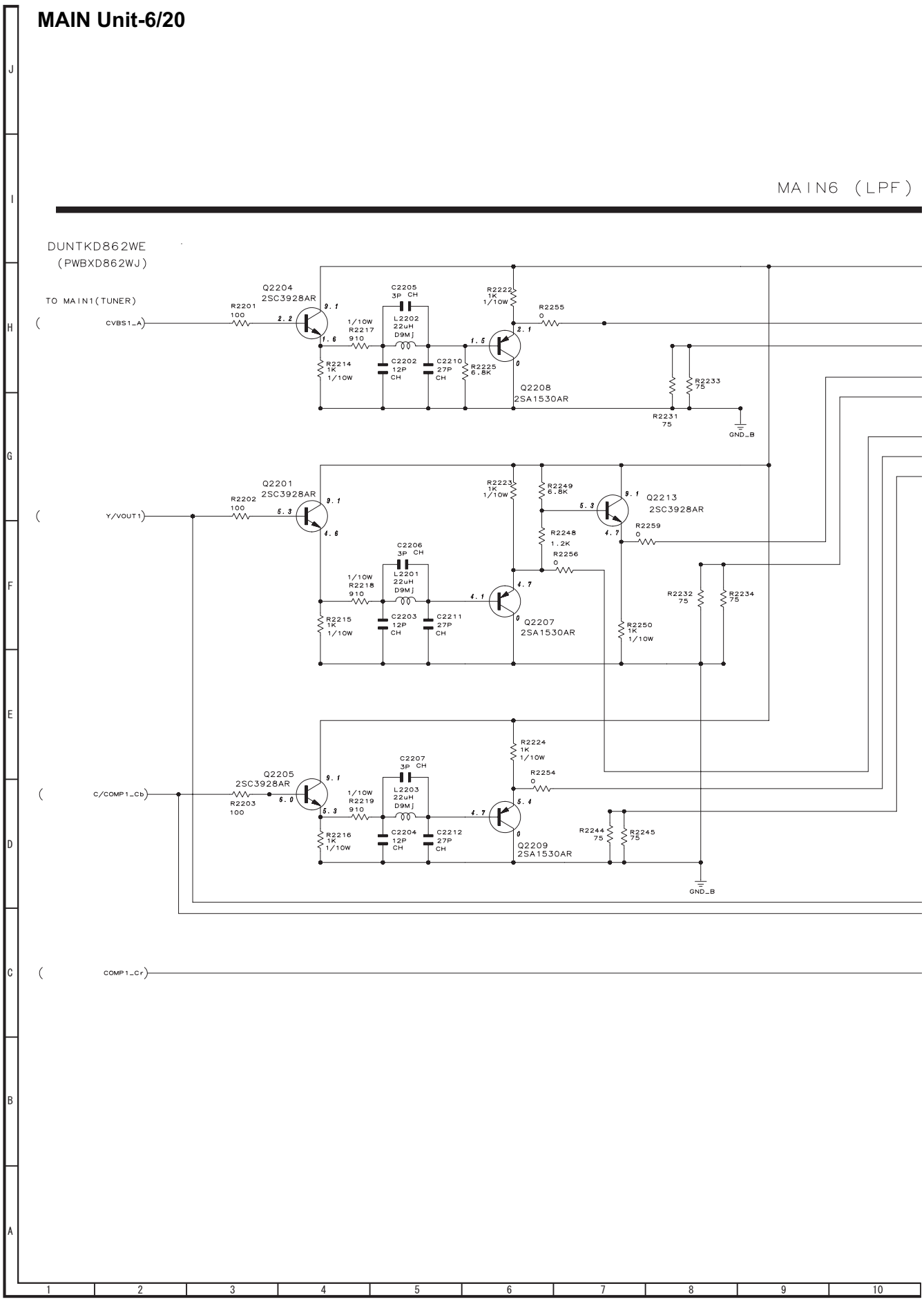
MAIN Unit-5/20



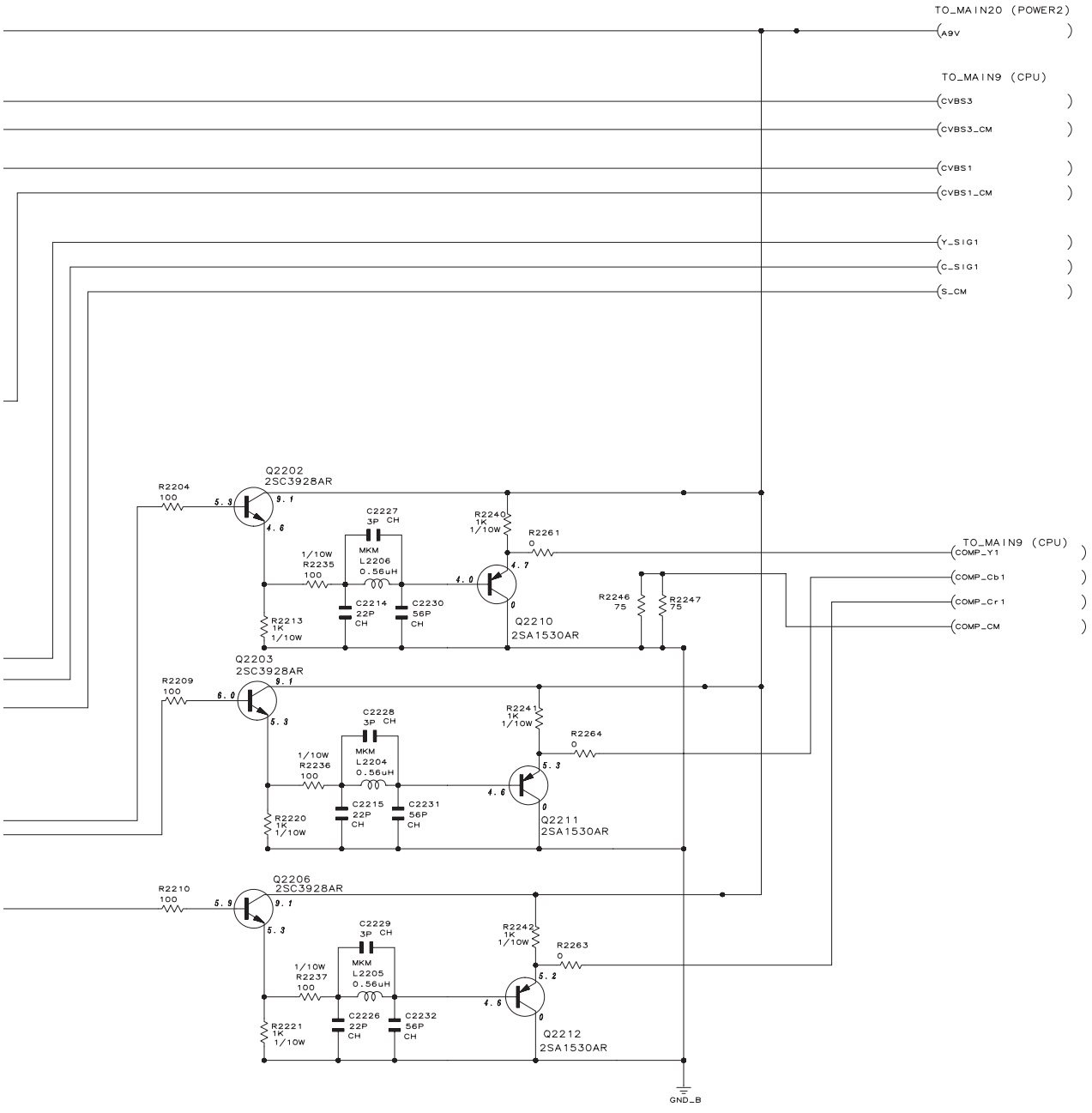
[5/22]


IC2004
BR24L08F
EEPROM
IC2005
M62332FP
IC2003
TC7W66U
IC2002
IXB986WJQZ
*IC2008
7WH126FU
X2002
ZAO23WJQZ
F1L
I2C Bus SW
TO MAIN8(PANEL)
TO MAIN2(AMP I/F)
TO MAIN4(HDMI/DVI)
TO MAIN9(CPU)
TO MAIN1(TUNER)
TO MAIN16(CONN)
TO MAIN15(EXBUS)
TO MAIN17(CPLD)
TO MAIN20(POWER2)

MAIN Unit-6/20

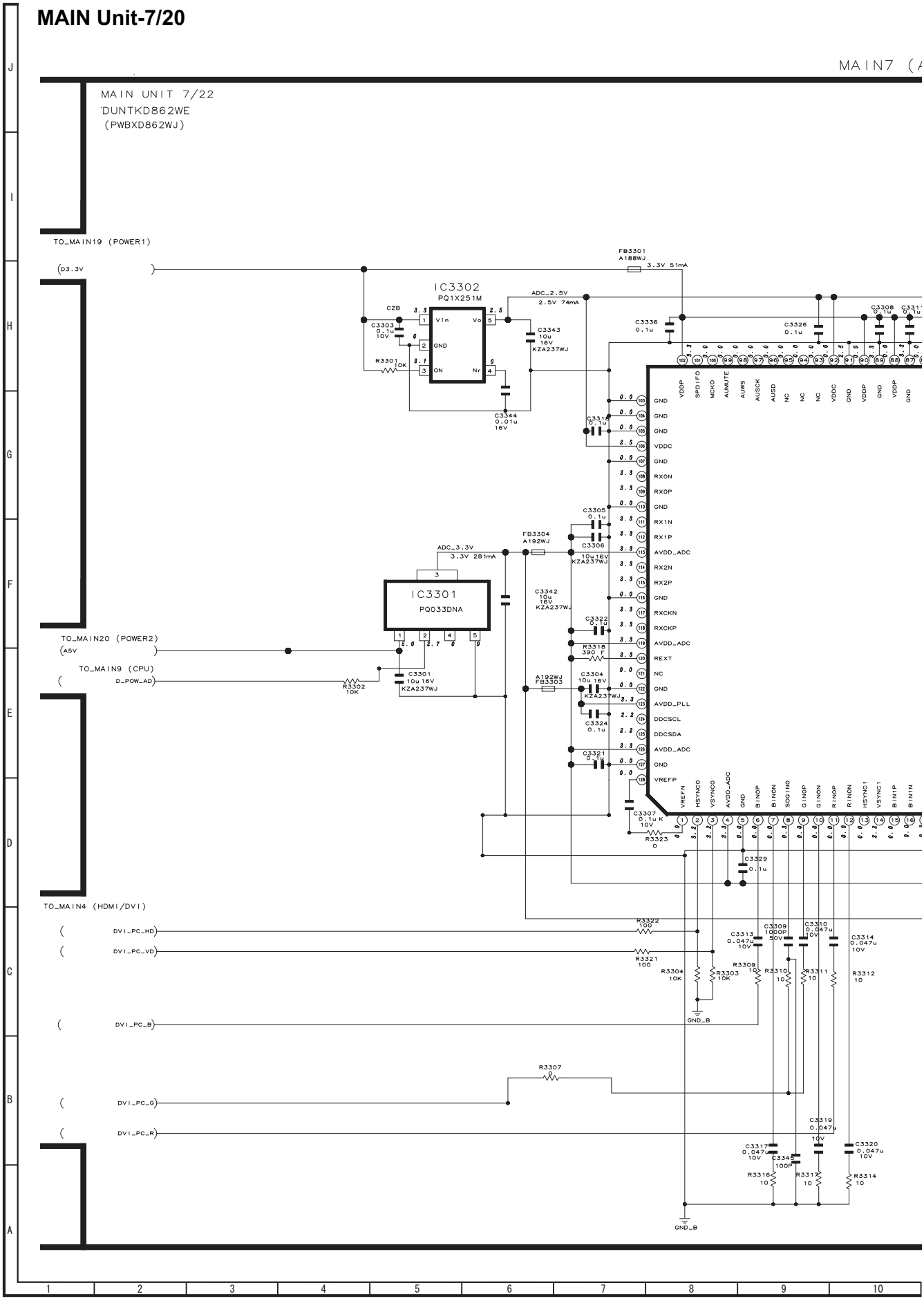


6 (LPF) [6/22]

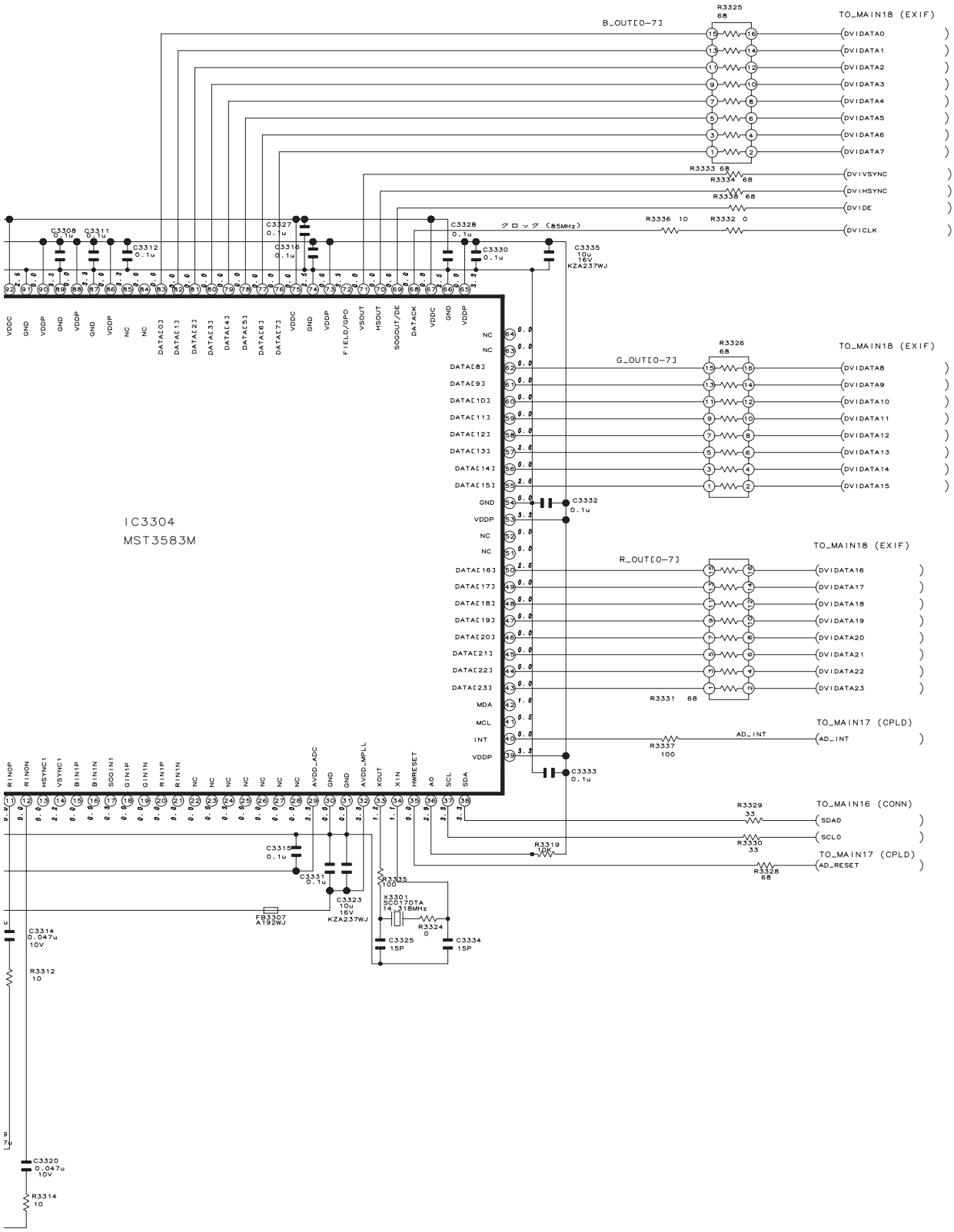


11	12	13	14	15	16	17	18	19

MAIN Unit-7/20

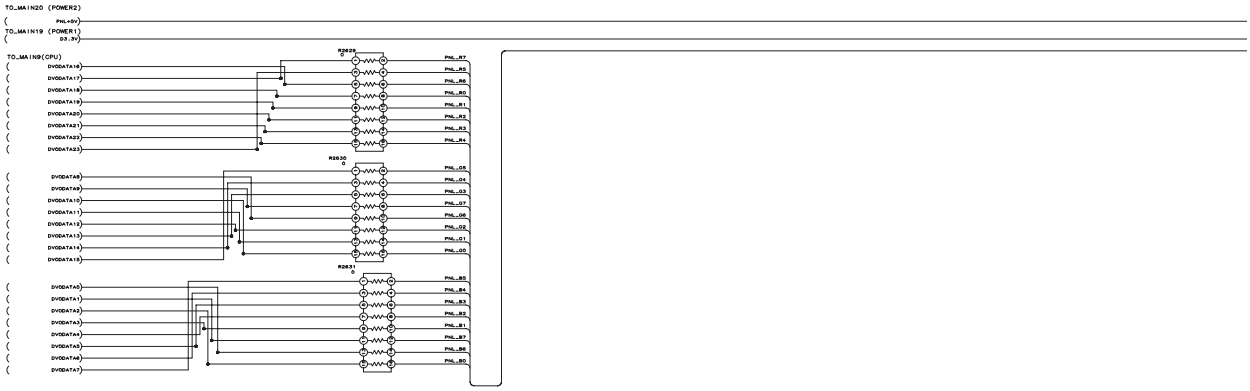


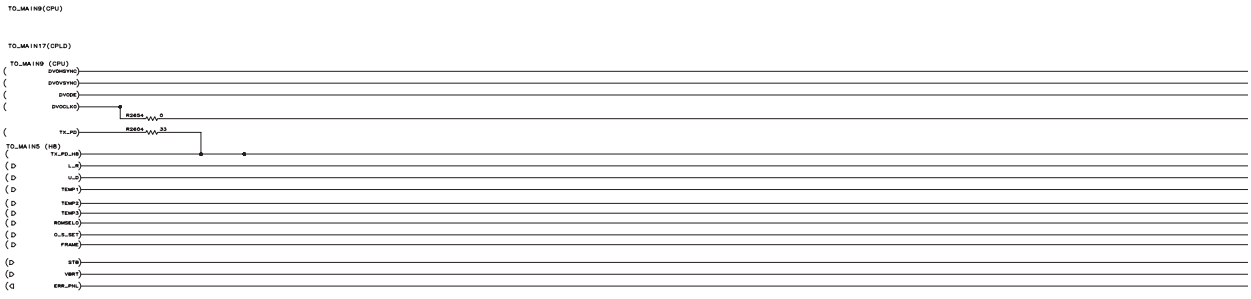
MAIN7 (ADC) [7/22]

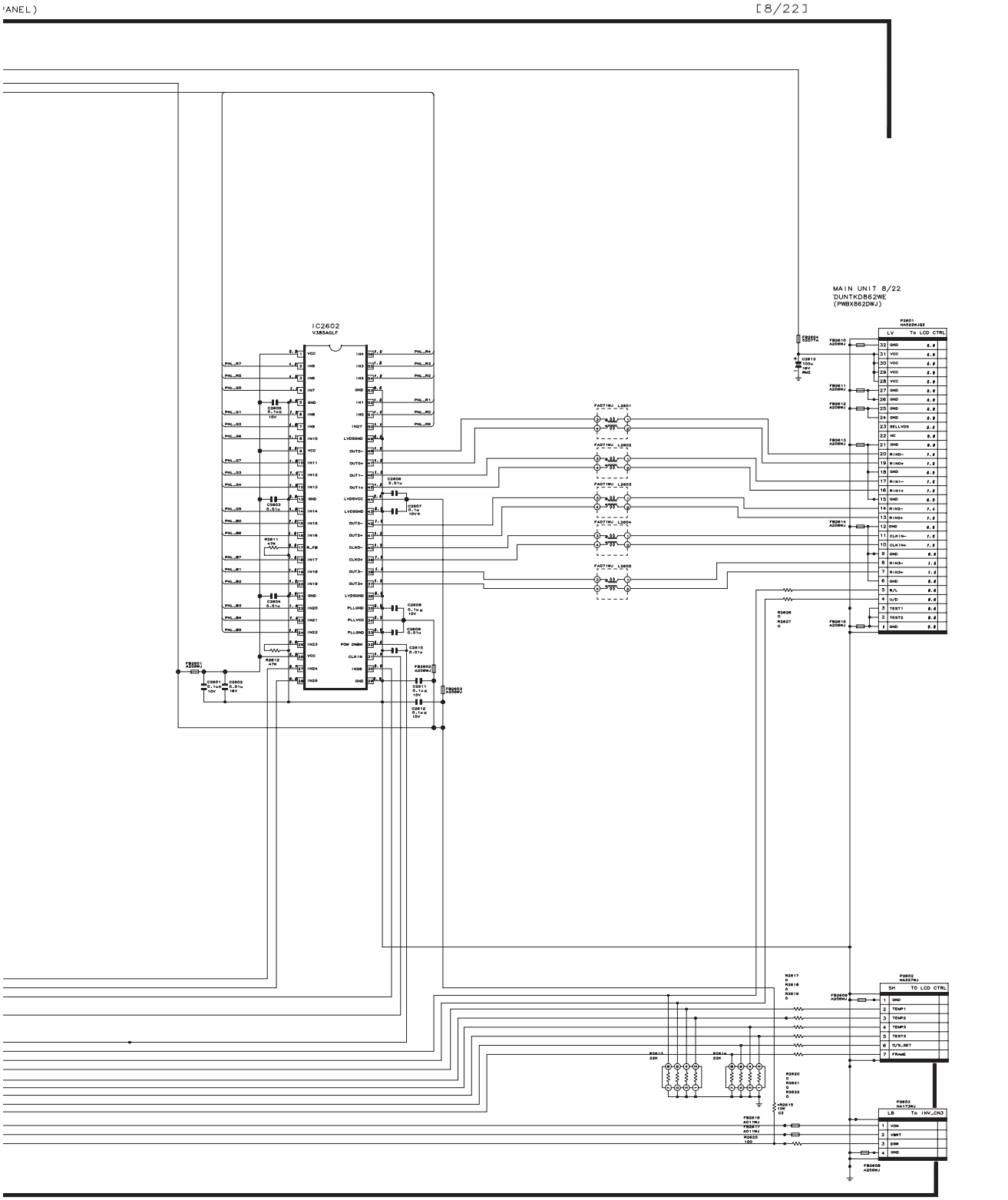


MAIN Unit-8/20

MAIN 8 (PANEL)

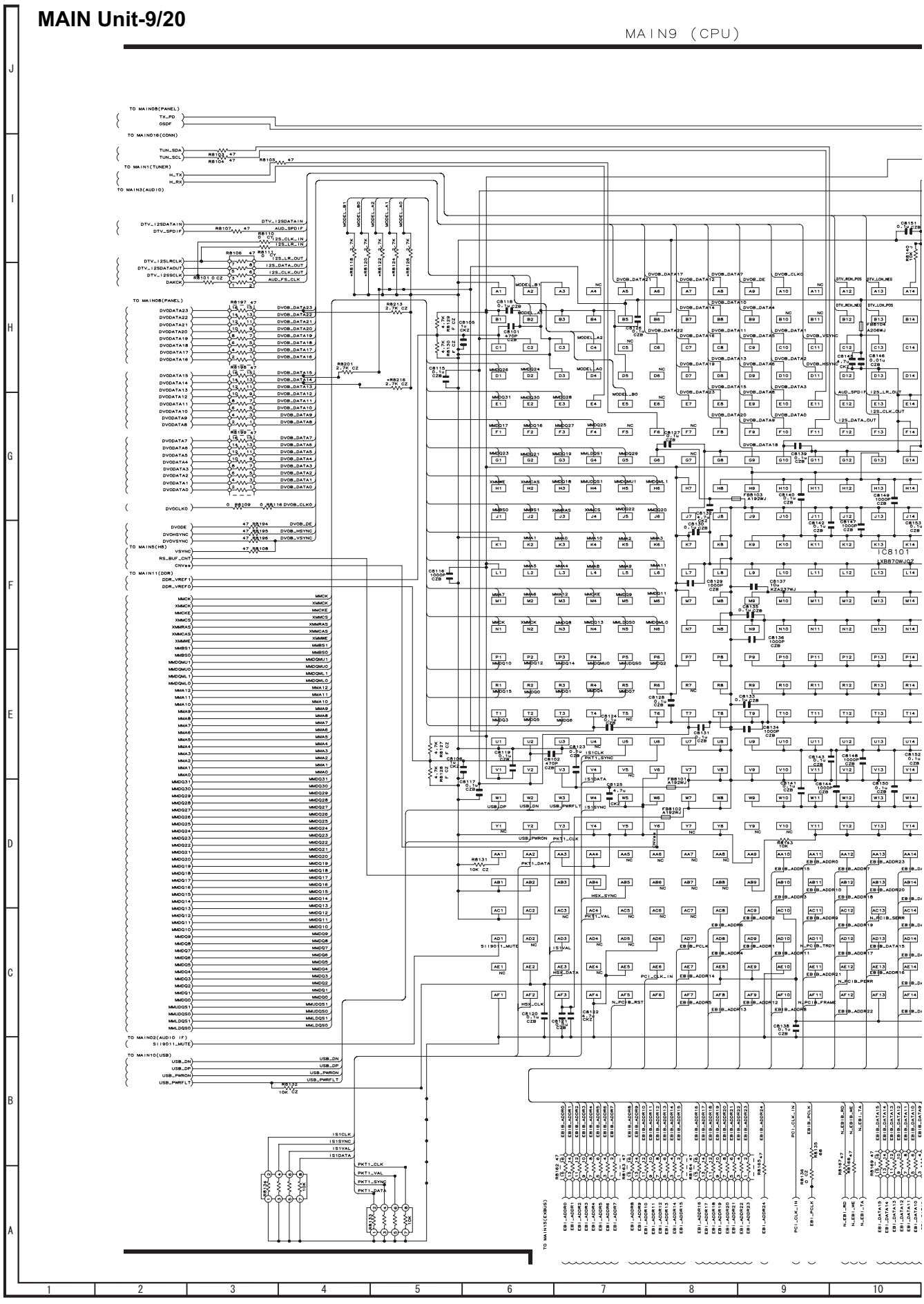






11	12	13	14	15	16	17	18	19

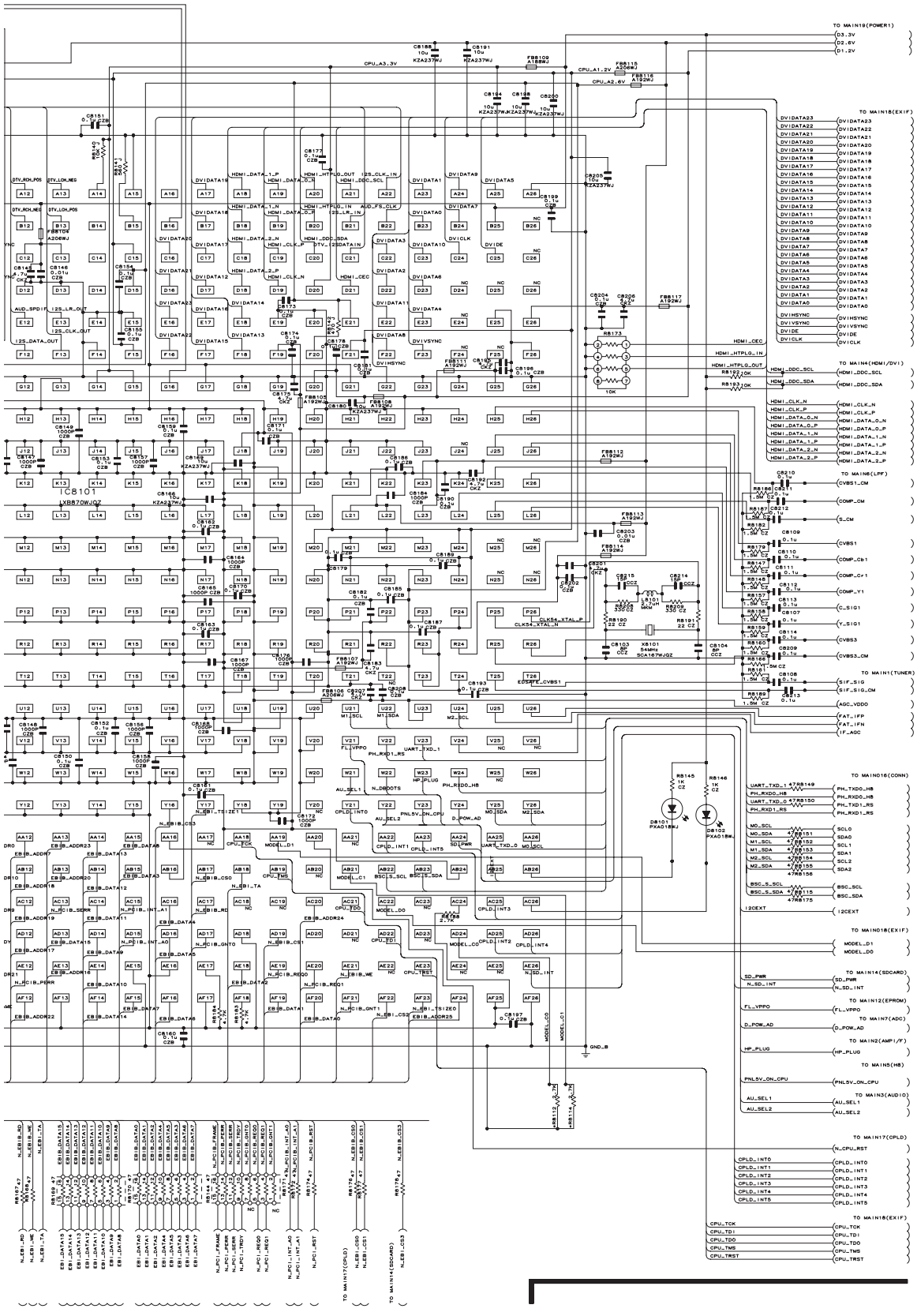
MAIN Unit-9/20



[9/22]

MAIN UNIT 9/22

DUNTKD862WE
(PWBXD862WJ)



MAIN Unit-10/20

MAIN10(

TO MAIN19(POWER1)

TO MAIN20(POWER2)

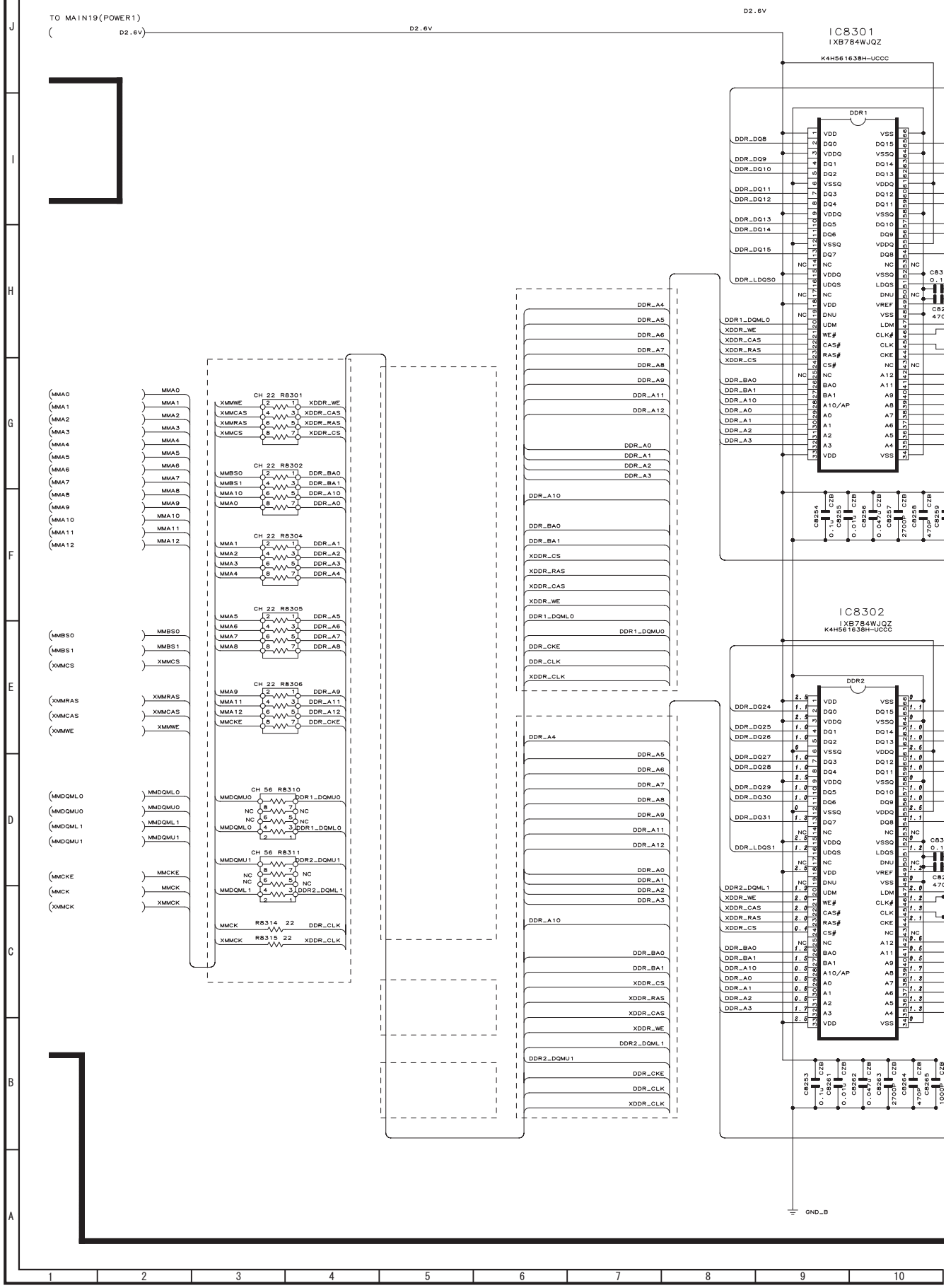
TO MAIN9(CPU)

For USB TEST BOARD

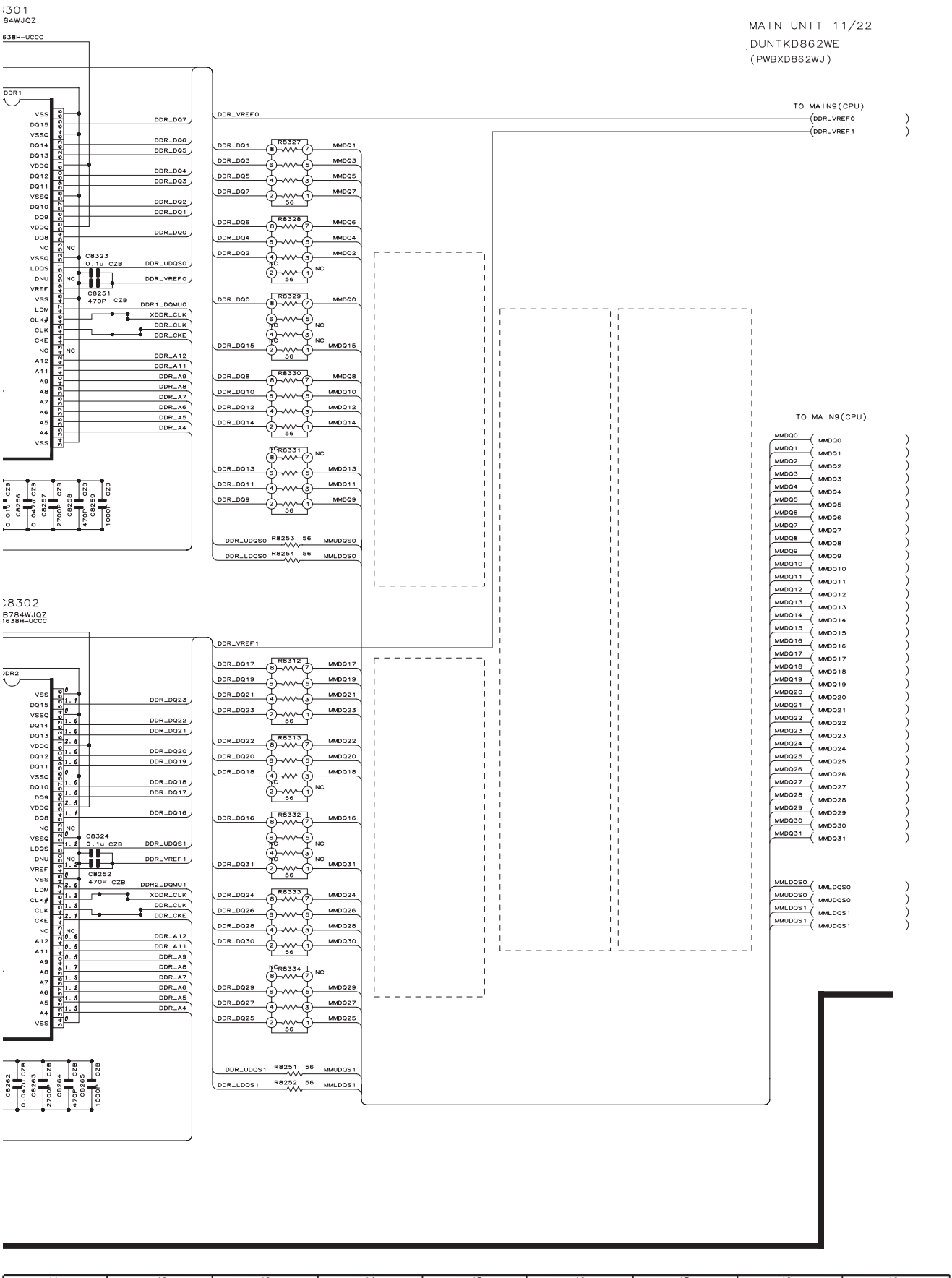
N10(USB) [10/22]

MAIN Unit-11/20

MAIN11/22 (DDR)



(DDR) [11/22]


MAIN UNIT 11/22
DUNTKD862WE
(PWBXD862WJ)
TO MAIN9(CPU)
DDR_VREF0
DDR_VREF1
DDR_DQ7
DDR_DQ6
DDR_DQ5
DDR_DQ4
DDR_DQ3
DDR_DQ2
DDR_DQ1
DDR_DQ0
DDR_UDQS0
DDR_VREF0
DDR1_DQMU0
XDDR_CLK
DDR_CLK
DDR_CKE
DDR_A12
DDR_A11
DDR_A9
DDR_A8
DDR_A7
DDR_A6
DDR_A5
DDR_A4
C8323 0.1u CZB
C8251 470P CZB
R8327
R8328
R8329
R8330
R8331
R8253 56
R8254 56
MMDQ1
MMDQ3
MMDQ5
MMDQ7
MMDQ6
MMDQ4
MMDQ2
MMDQ0
MMDQ15
MMDQ8
MMDQ10
MMDQ12
MMDQ14
MMDQ13
MMDQ11
MMDQ9
MMUDQS0
MMLDQS0
DDR_VREF1
DDR_DQ23
DDR_DQ22
DDR_DQ21
DDR_DQ20
DDR_DQ19
DDR_DQ18
DDR_DQ17
DDR_DQ16
DDR_UDQS1
DDR_VREF1
DDR2_DQMU1
C8324 0.1u CZB
C8252 470P CZB
R8312
R8313
R8332
R8333
R8334
R8251 56
R8252 56
MMDQ17
MMDQ19
MMDQ21
MMDQ23
MMDQ22
MMDQ20
MMDQ18
MMDQ16
MMDQ31
MMDQ24
MMDQ26
MMDQ28
MMDQ30
MMDQ29
MMDQ27
MMDQ25
MMUDQS1
MMLDQS1
MMDQ0
MMDQ1
MMDQ2
MMDQ3
MMDQ4
MMDQ5
MMDQ6
MMDQ7
MMDQ8
MMDQ9
MMDQ10
MMDQ11
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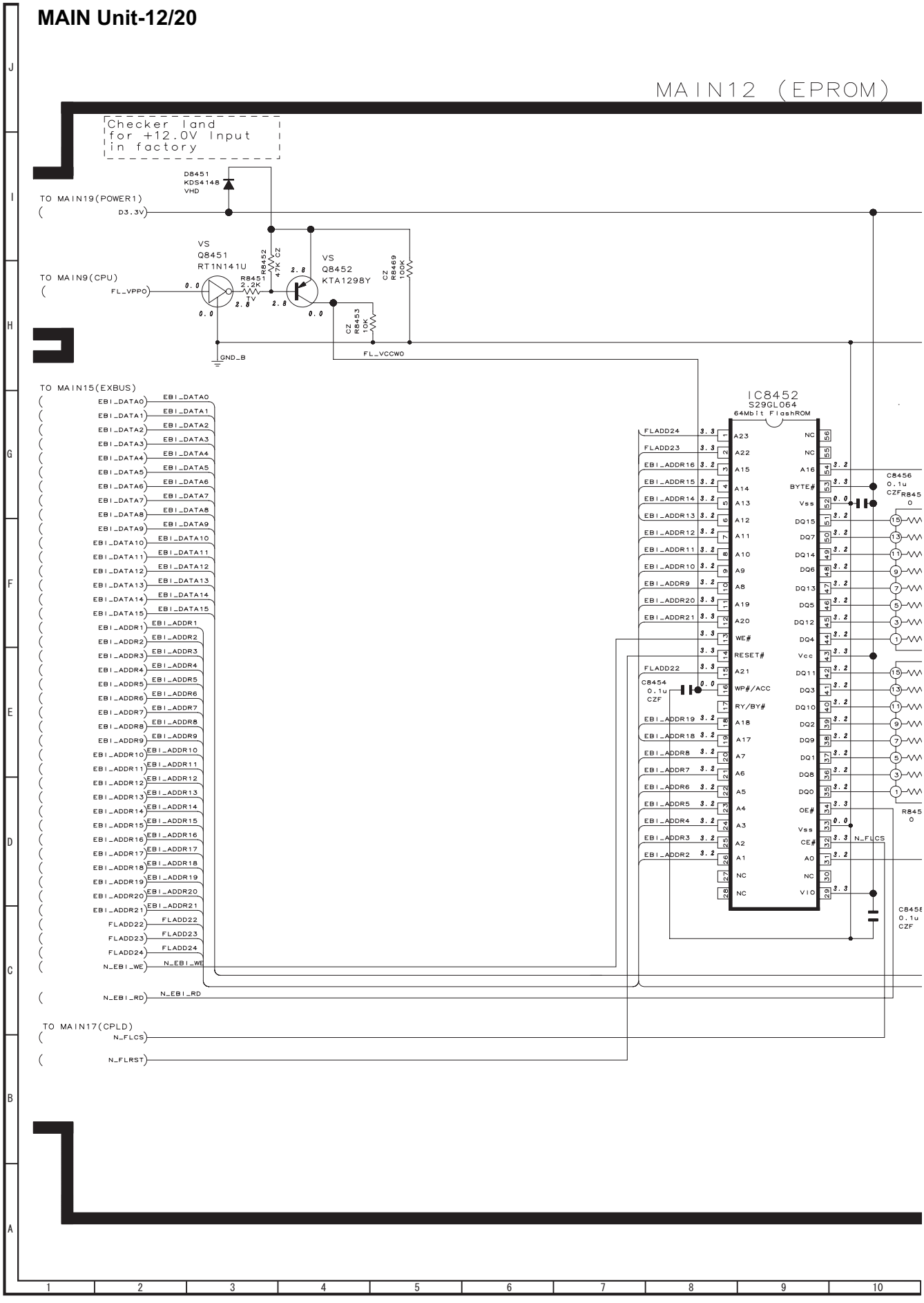
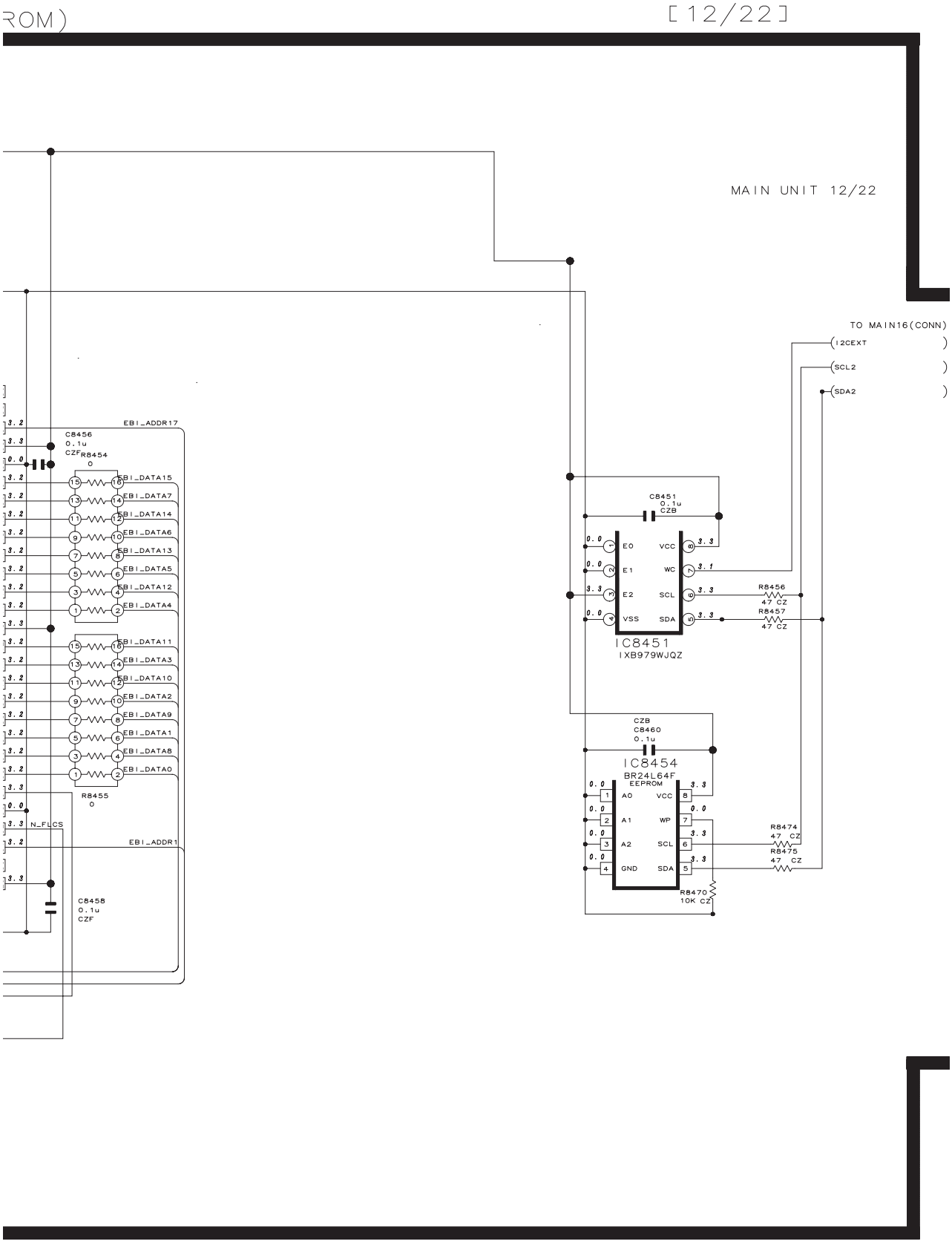
MMDQ23
MMDQ24
MMDQ25
MMDQ26
MMDQ27
MMDQ28
MMDQ29
MMDQ30
MMDQ31
MMLDQS0
MMUDQS0
MMLDQS1
MMUDQS1

MAIN Unit-12/20



ROM)

[12/22]



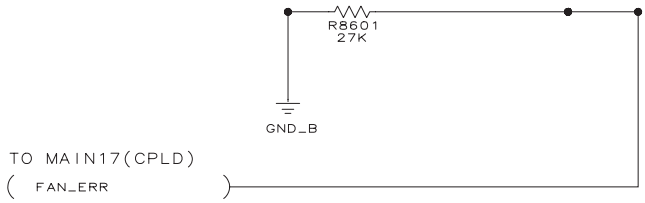
11	12	13	14	15	16	17	18	19

MAIN Unit-13/20

MAIN13 (FAN)

TO MAIN19(POWER1)

TO MAIN20(POWER2)



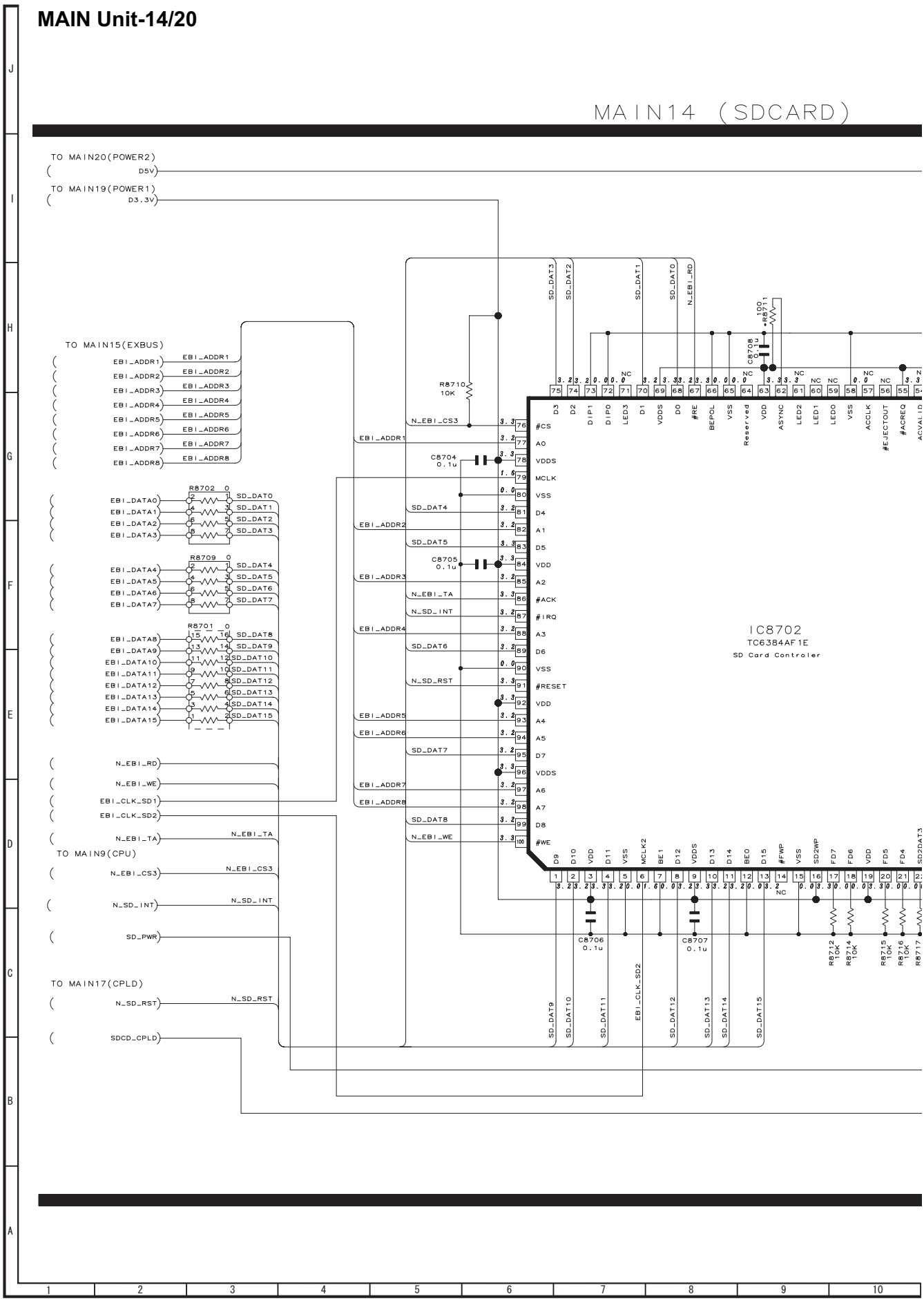
[13/20]

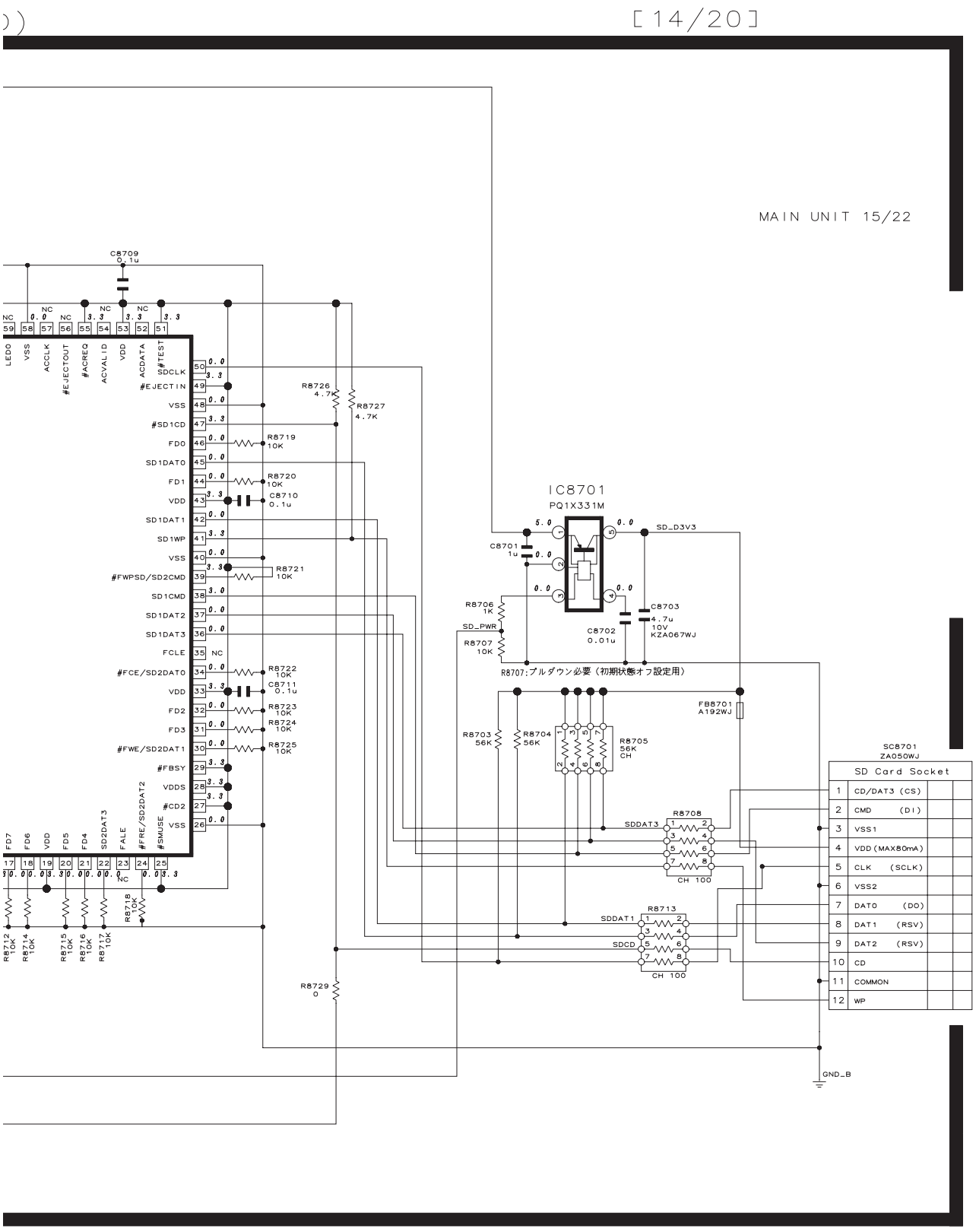
[redacted]

[redacted]

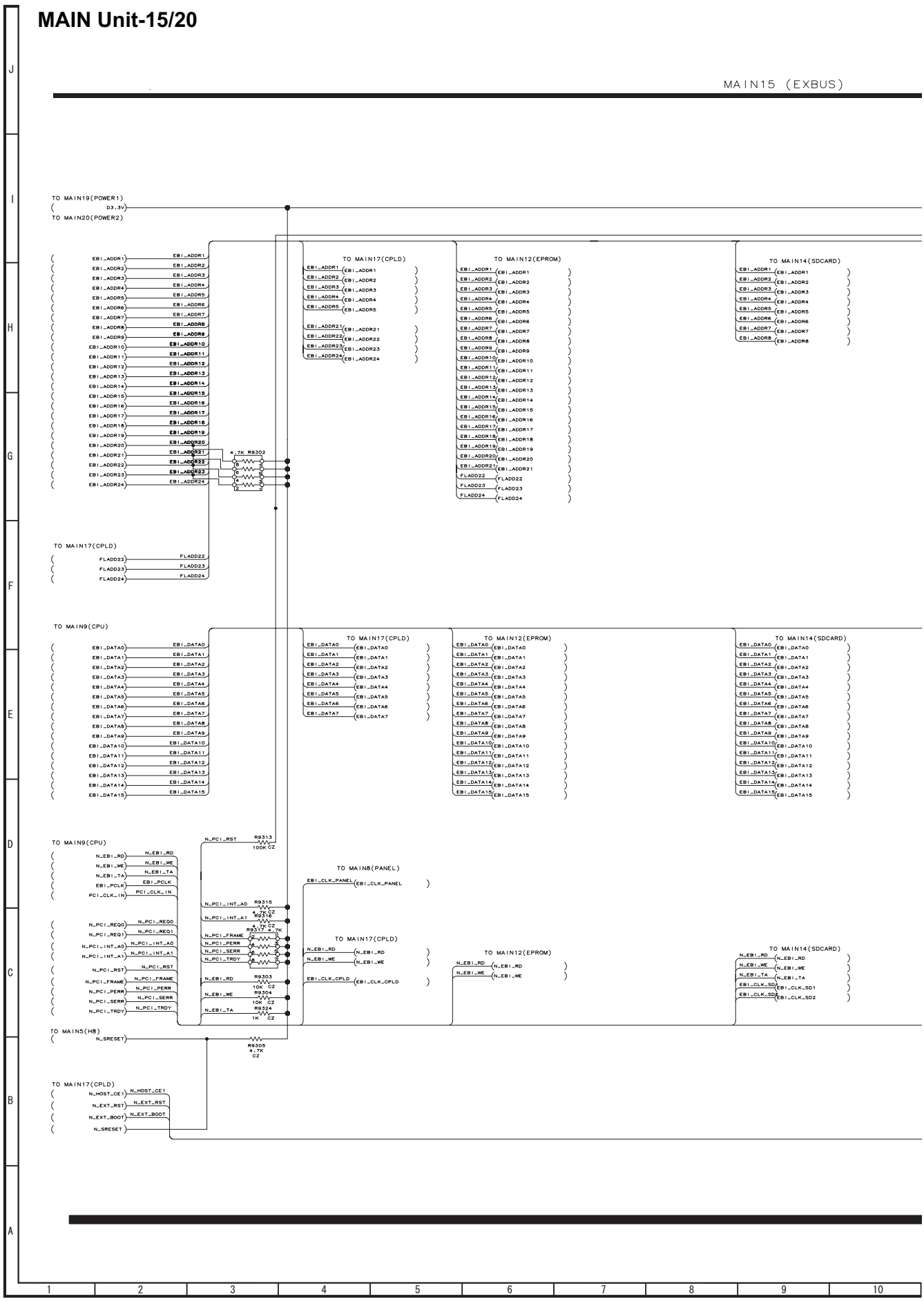
11	12	13	14	15	16	17	18	19

MAIN Unit-14/20

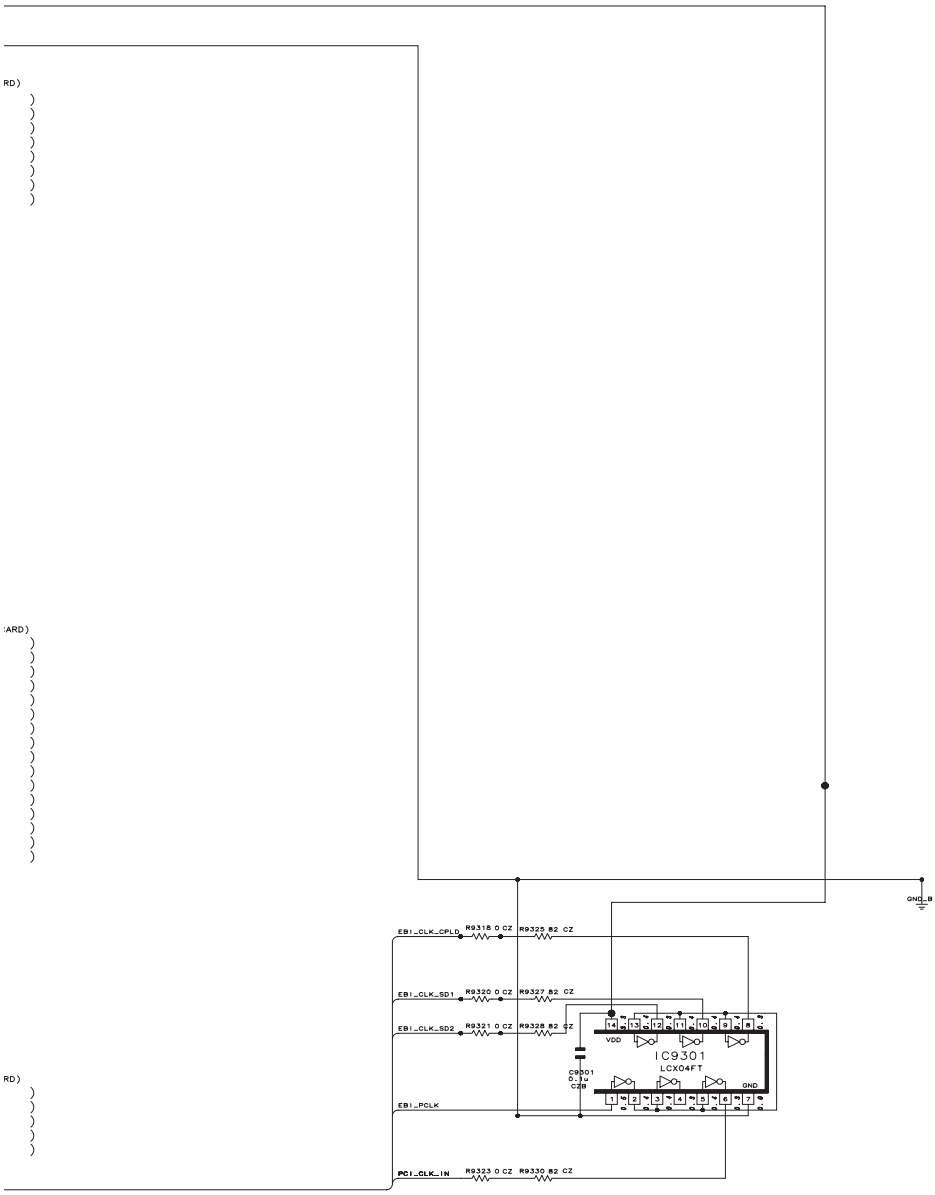



[14/20]
MAIN UNIT 15/22
IC8701
PQ1X331M
SD_D3V3
SD_PWR
R8707:プルダウン必要（初期状態オフ設定用）
SC8701
ZA050WJ
SD Card Socket
1 CD/DAT3 (CS)
2 CMD (DI)
3 VSS1
4 VDD (MAX80mA)
5 CLK (SCLK)
6 VSS2
7 DAT0 (DO)
8 DAT1 (RSV)
9 DAT2 (RSV)
10 CD
11 COMMON
12 WP
GND_B

MAIN Unit-15/20



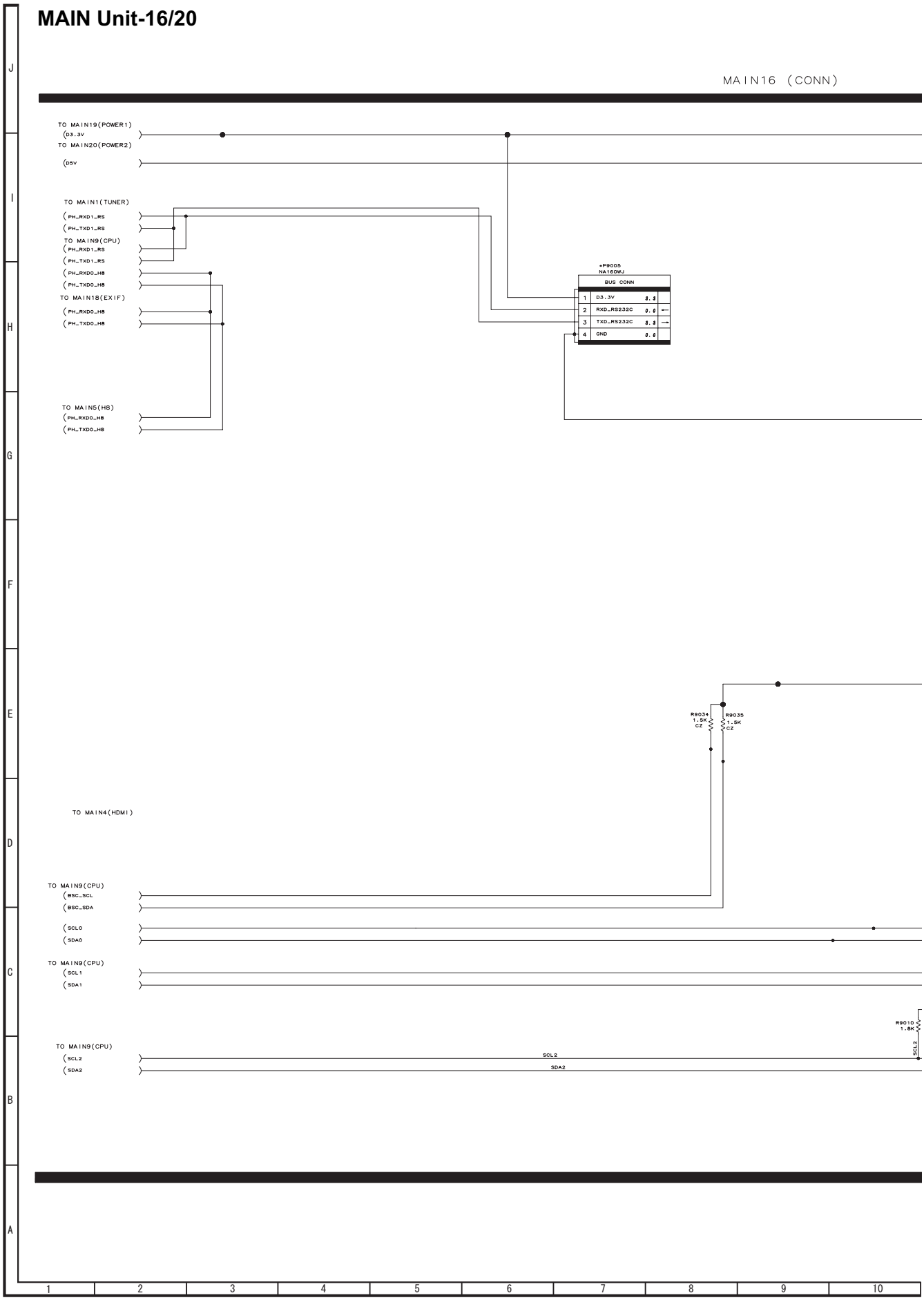
S) [15/20]



MAIN UNIT 17/22
.DUNTKD862WE
(PWBXD862WJ)

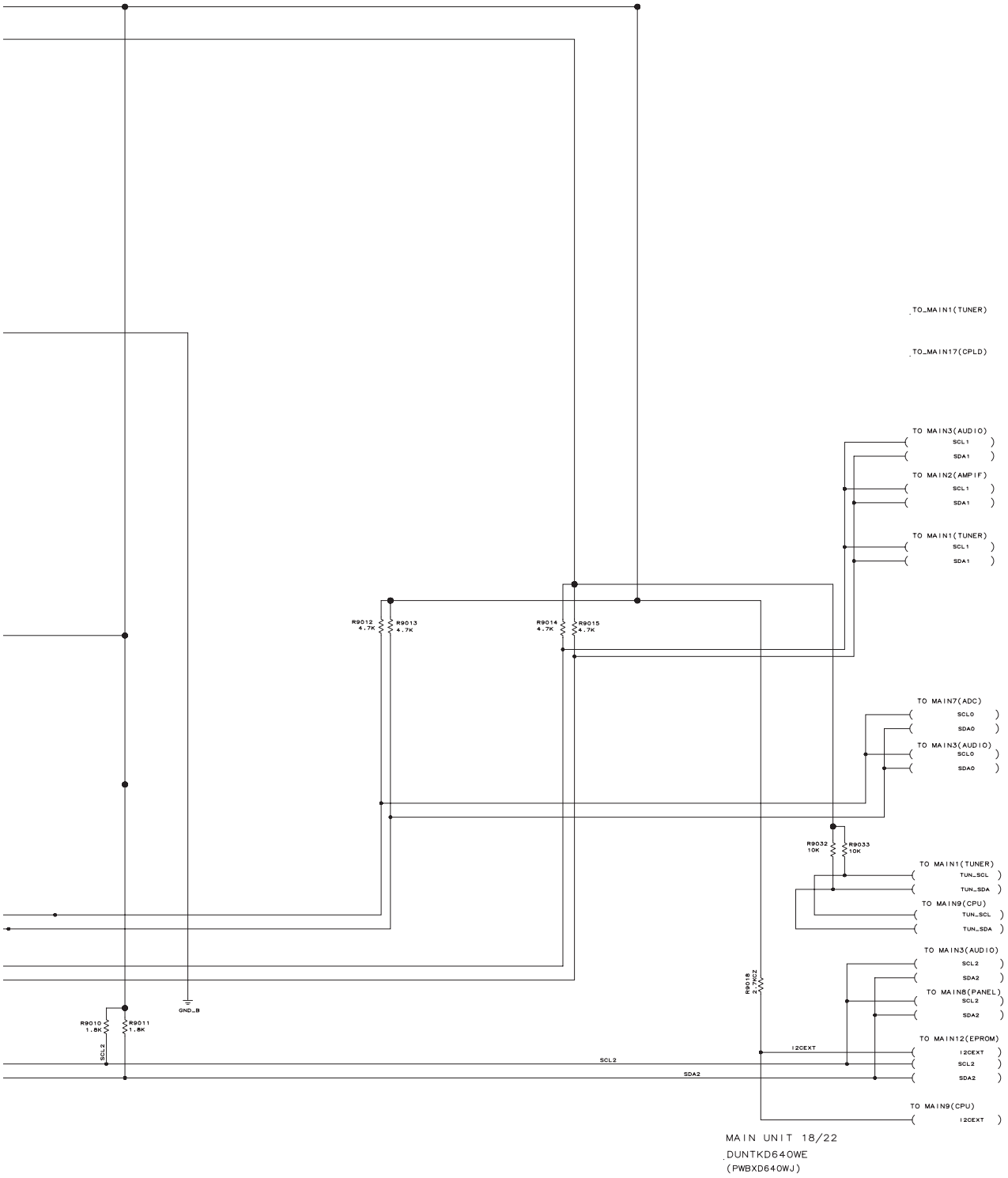
11	12	13	14	15	16	17	18	19

MAIN Unit-16/20



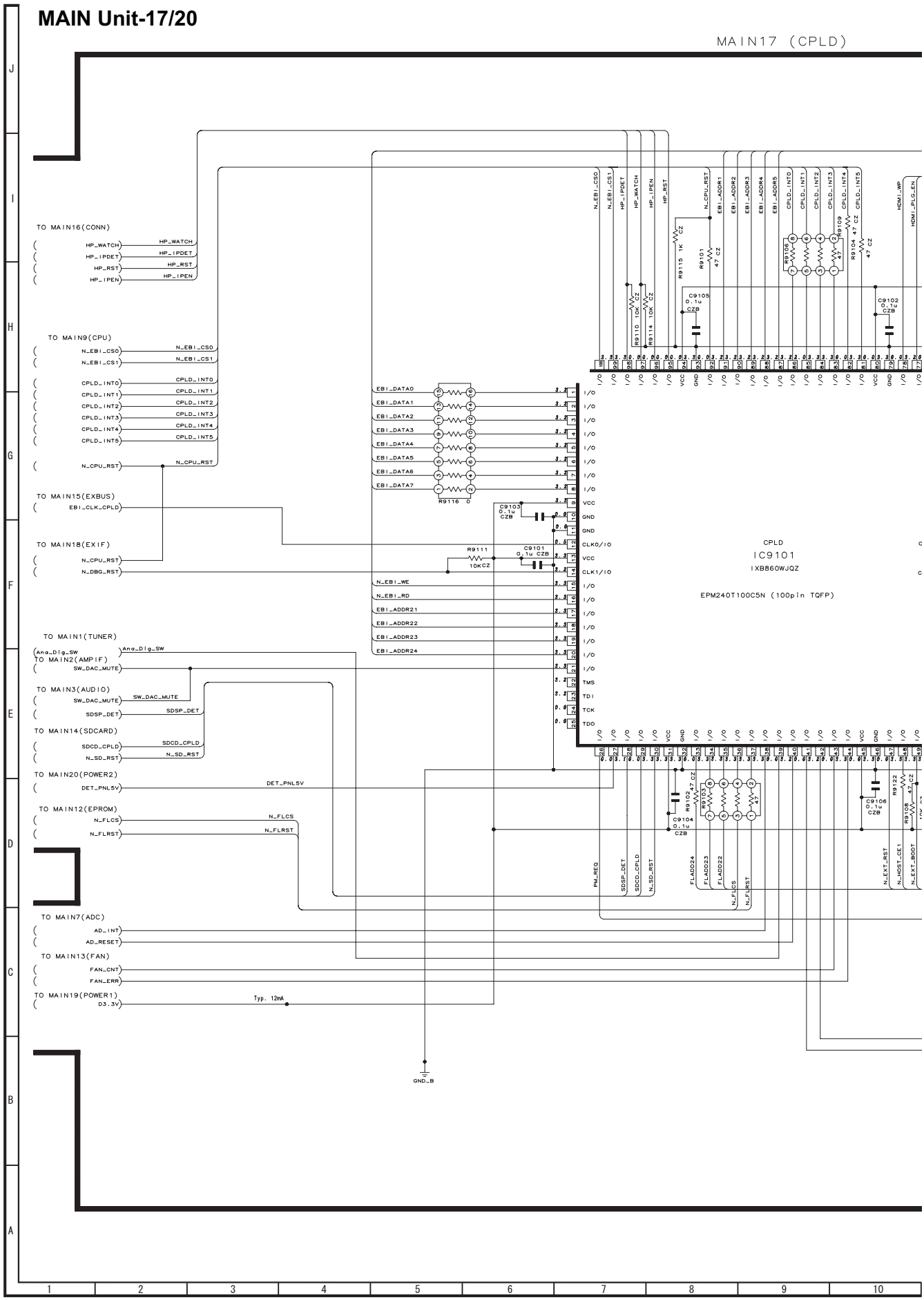
I)

[16/20]



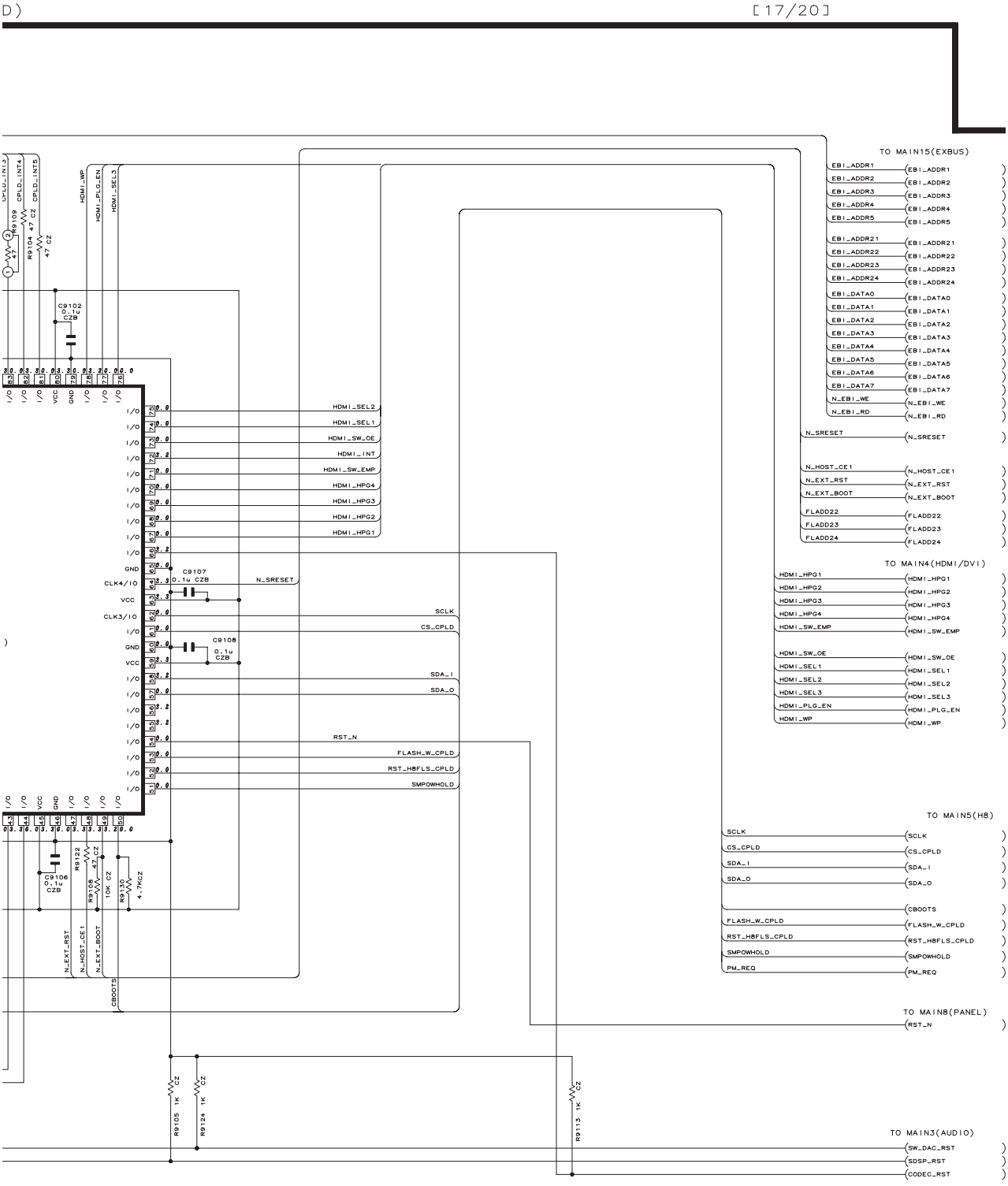
11	12	13	14	15	16	17	18	19

MAIN Unit-17/20



D)

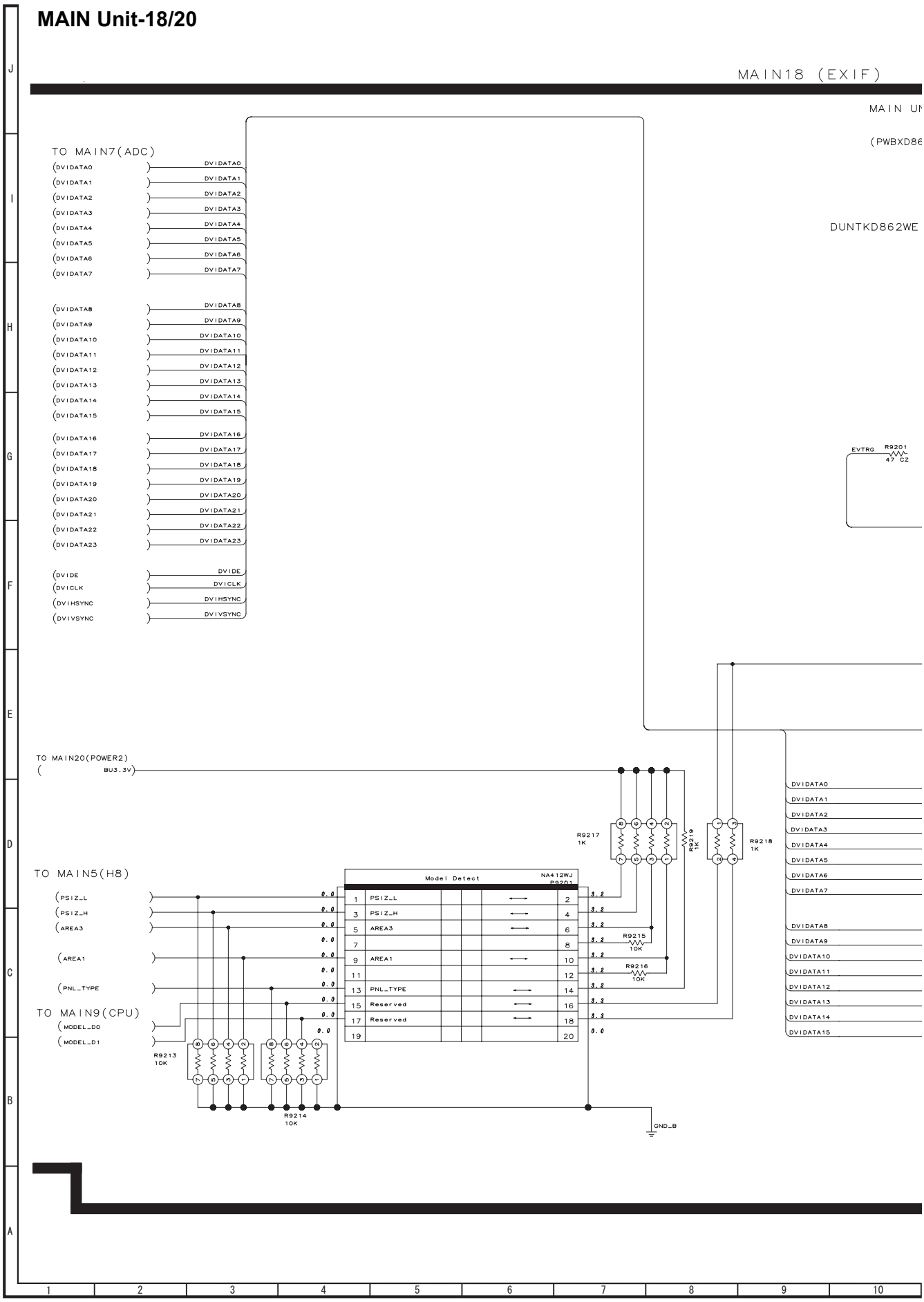
[17/20]



EMC

11	12	13	14	15	16	17	18	19

MAIN Unit-18/20



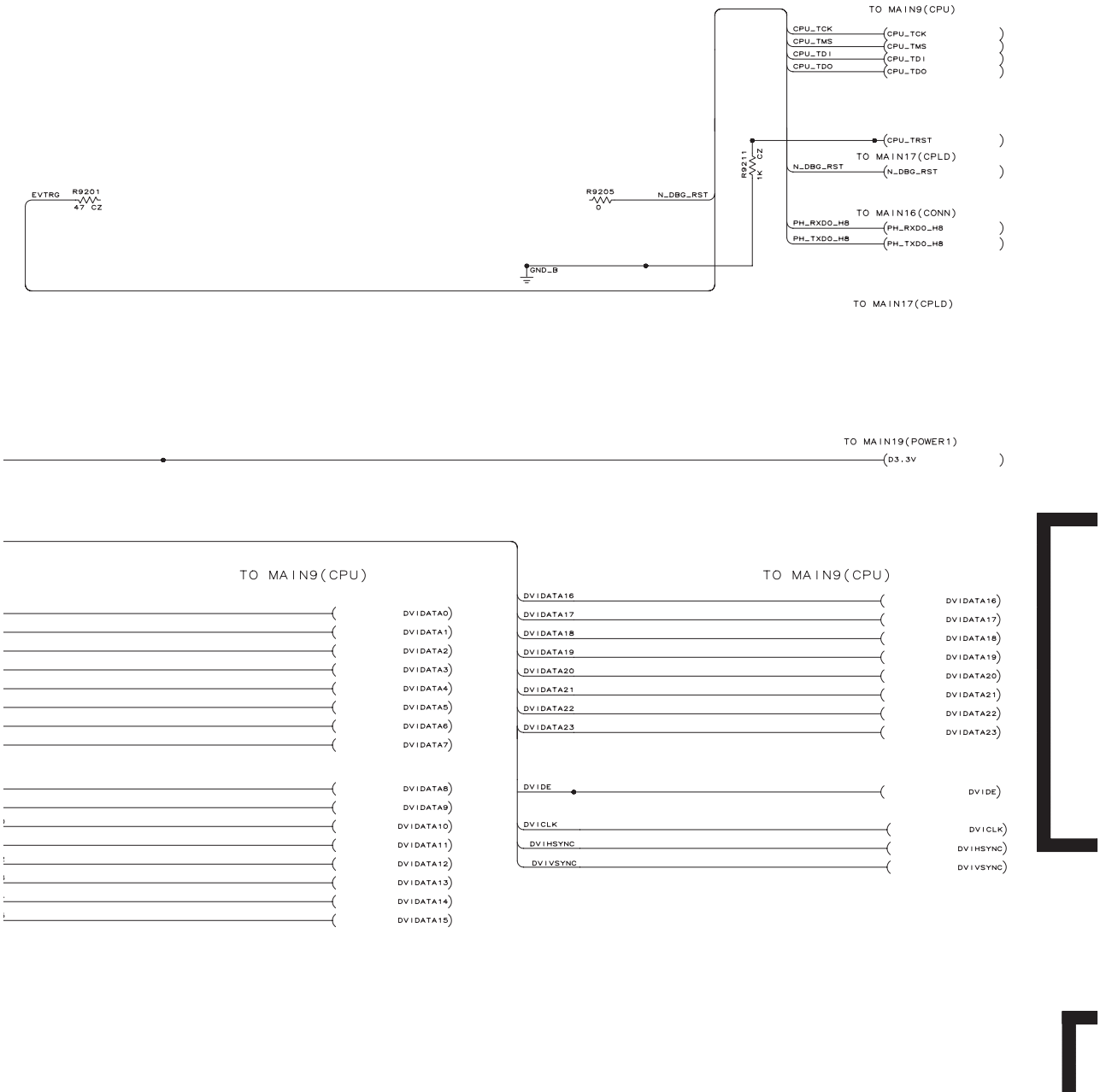
EXIF)

[18/20]

MAIN UNIT 20/22

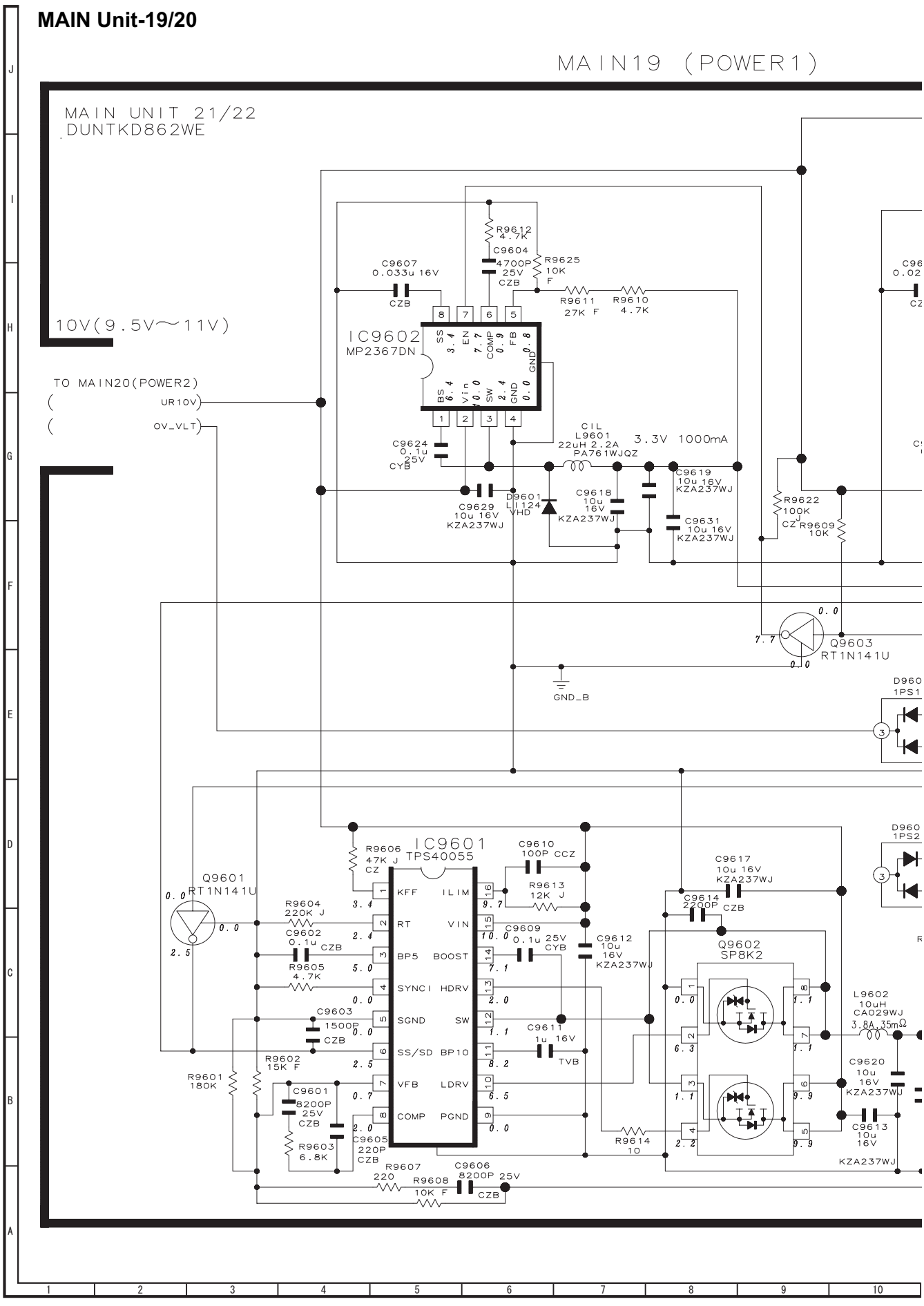
(PWBXD862WJ)

DUNTKD862WE

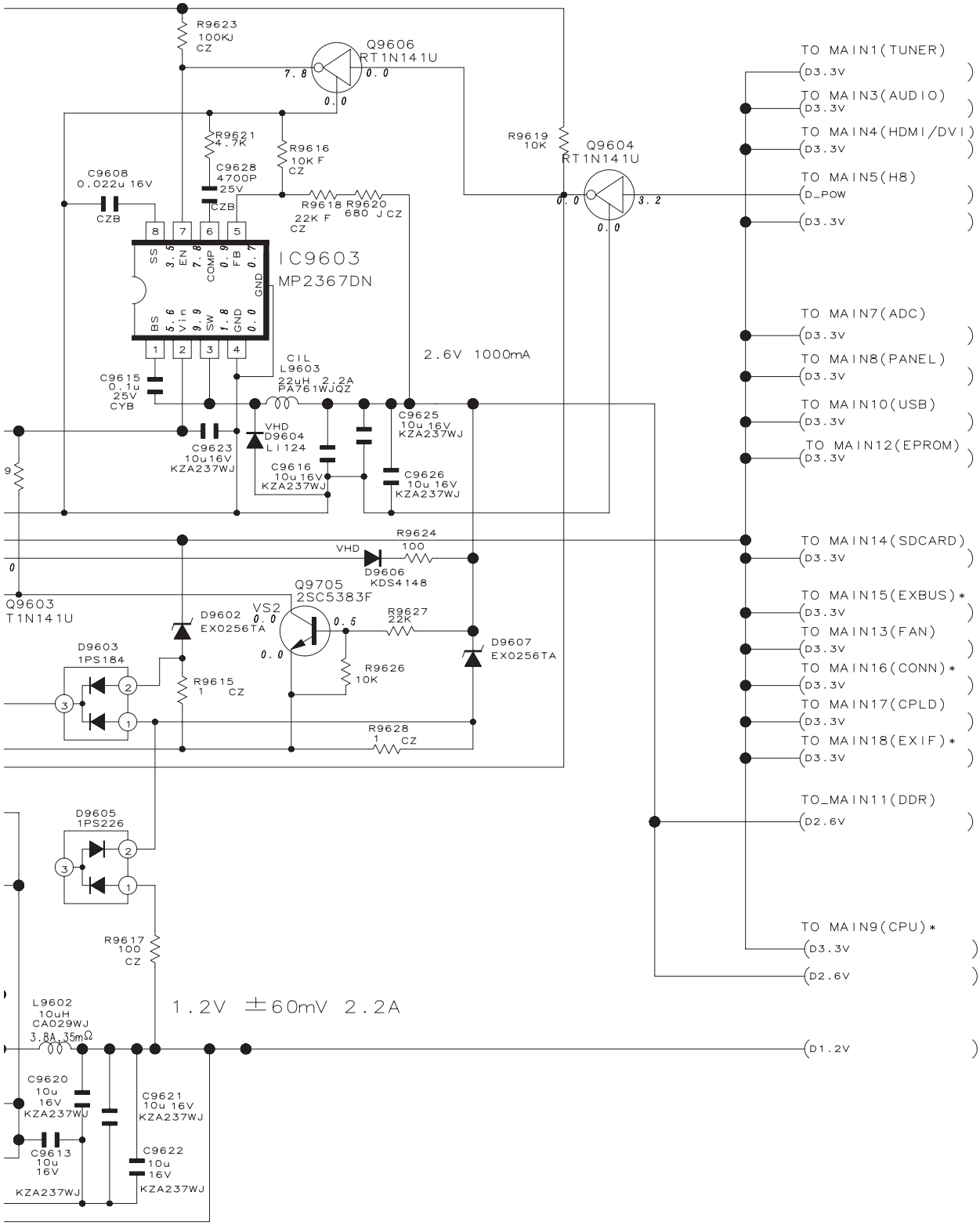


11	12	13	14	15	16	17	18	19

MAIN Unit-19/20

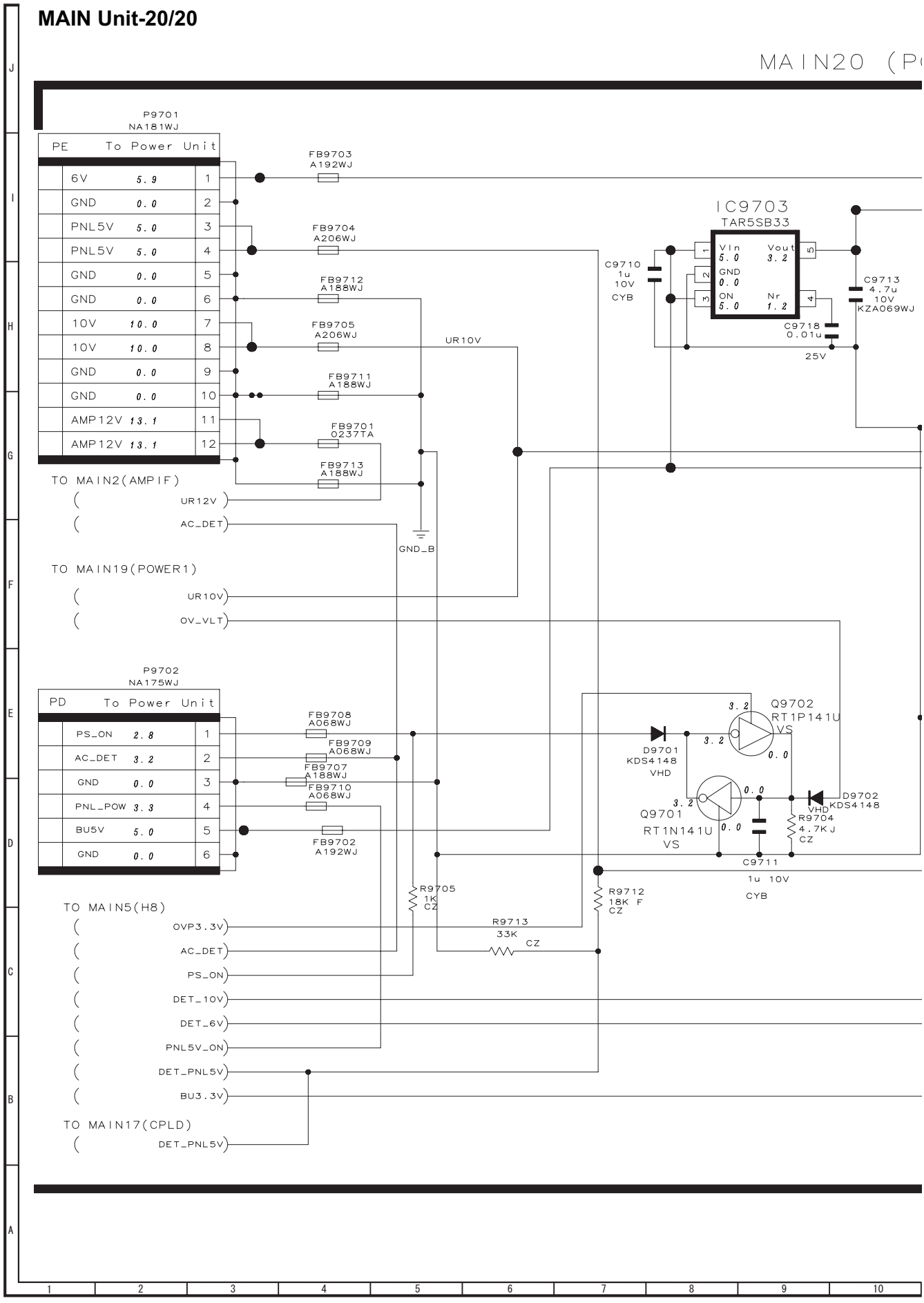


[19/20]

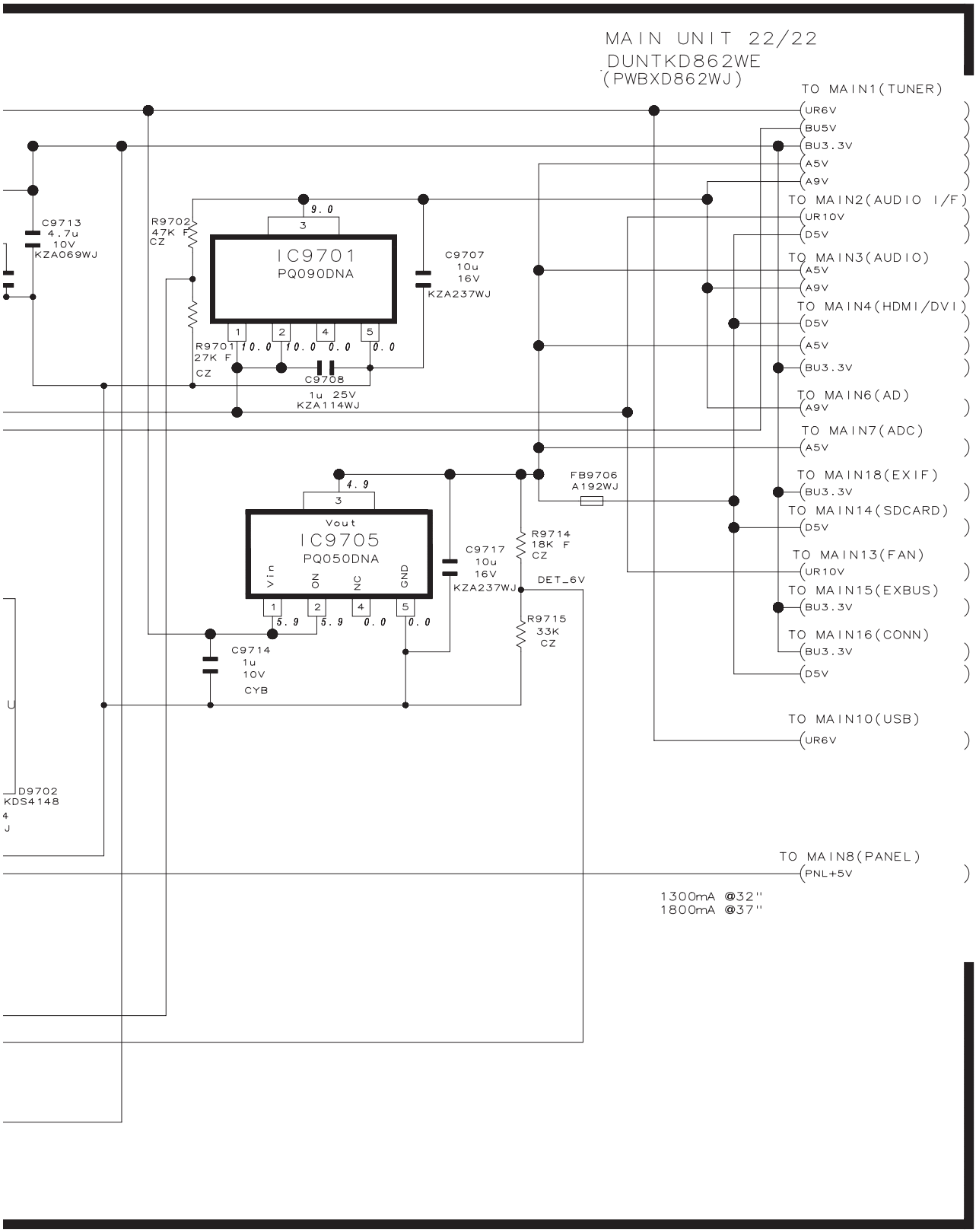


11	12	13	14	15	16	17	18	19

MAIN Unit-20/20

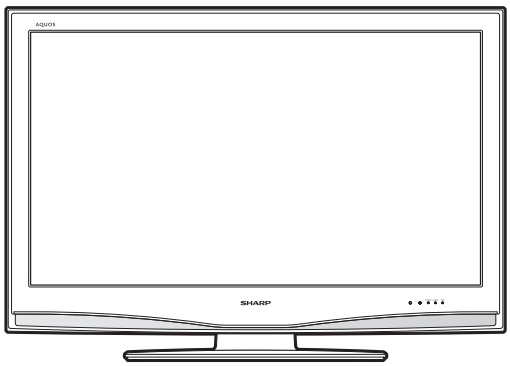


20 (POWER2) [20/20]



— MEMO —

SHARP PARTS GUIDE



LCD COLOR TELEVISION

MODEL LC-42D43U

CONTENTS

[1] PRINTED WIRING BOARD ASSEMBLIES

[2] LCD PANEL (NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.)

[3] DUNTKD862FM04 (MAIN Unit) (Only changed parts have been described.)

[4] DUNTKD935FME03 (TERMINAL Unit)

[5] CABINET PARTS

[6] SUPPLIED ACCESSORIES

[7] PACKING PARTS (NOT REPLACEMENT ITEM)

[8] SERVICE JIGS (USE FOR SERVICING)

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

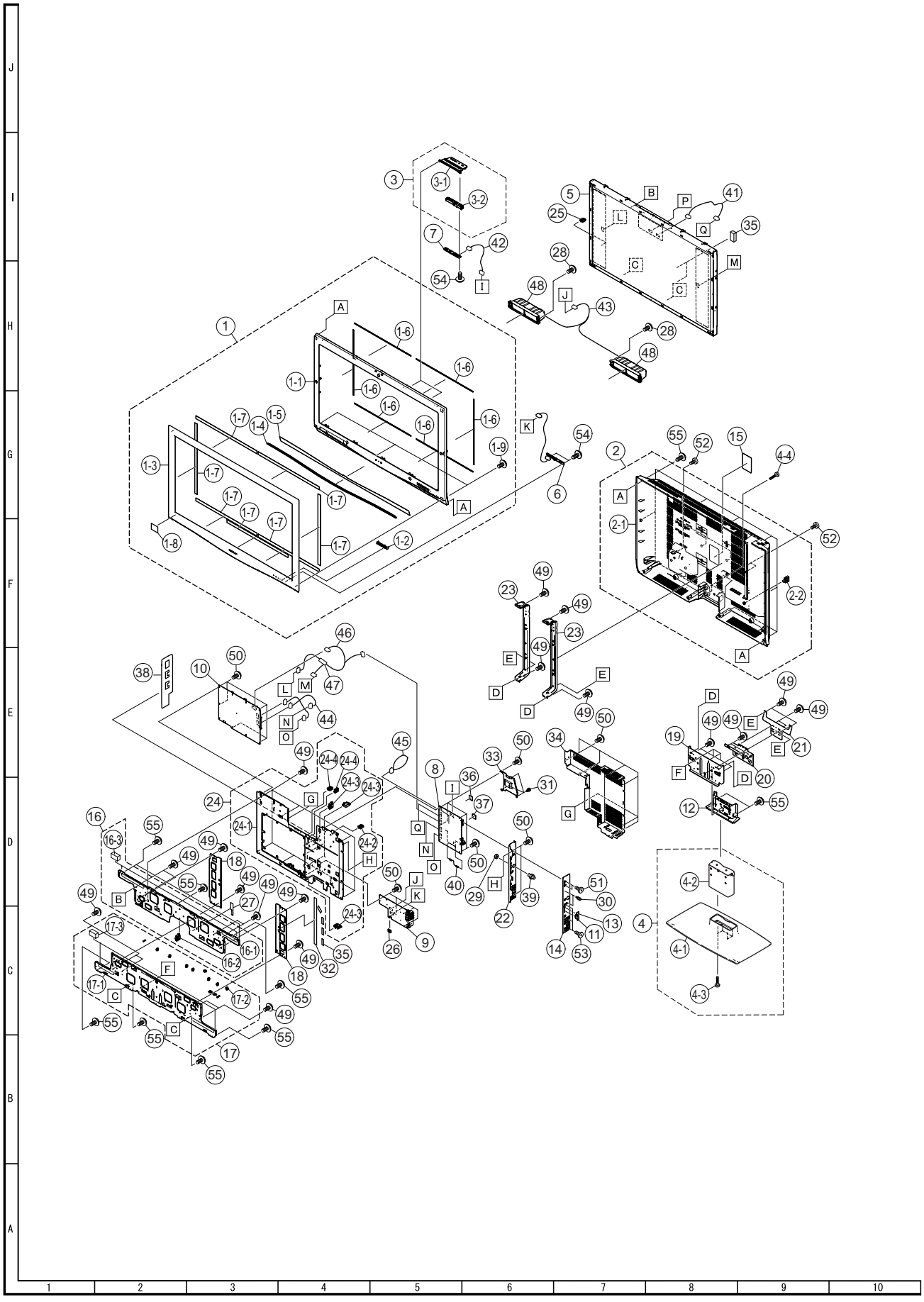
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES					
N	DUNTKD862FM04		N		MAIN Unit
N	DUNTKD935FM03		N		AV TERMINAL Unit
N	RDENCA226WJQZ	BT	N	X	POWER Unit
[2] LCD PANEL (NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.)					
N	RLCUCA122WJZZ		N	J	42" LCD Panel Module
[3] DUNTKD862FM04 (MAIN Unit) (Only changed parts have been described.)					
C1118	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1311	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1313	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1403	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1423	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1426	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1433	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1437	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1466	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C1467	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C2001	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
D1303	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D1311	RH-EX0264TAZZY	AB		J	Diode PDZ9.1B,115
D8451	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D9602	RH-EX0256TAZZY	AB		J	Zener Diode EX0256TA
D9606	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D9607	RH-EX0256TAZZY	AB		J	Zener Diode EX0256TA
D9701	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D9702	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D9703	RH-EX0253TAZZY	AC		J	Diode PDZ3.3B,115
FB2604	RBLN-A206WJZZY	AA		J	Balun BLN-A206WJ
FB9701	RBLN-0236TAZZY	AA		J	Balun BLN-0236TA
IC1503	VHiLVC2G14G-1Y	AD		J	IC LVC2G14G-1
IC2003	VHiHC2G66DP-1Y	AD		J	IC HC2G66DP-1
IC2006	VHiAHC32PW+-1Y	AD		J	IC AHC32PW
IC3302	VHiTAR5SB25-1Y	AD	N	J	IC TAR5SB25
IC3304	VHiMST3583M-1Q	AZ		J	IC S29GL064A90TFIR20H
IC8701	VHiTAR5SB33-1Y	AD		J	IC TAR5SB33-1
P2601	QPLGNA493WJZZY	AM		J	Plug
Q1524	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111-1
Q1525	VSKTA1535T+-1Y	AC		J	Transistor KTA1535T-RTK/P
Q8452	VSKTA1298Y+-1Y	AC		J	Transistor KTA1298Y
R1597	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R1599	VRS-CZ1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R2069	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2629	VRS-CK1JJ000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2630	VRS-CK1JJ000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2631	VRS-CK1JJ000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8144	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8162	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8163	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8164	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8169	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8170	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8197	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8198	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8199	VRS-CK1JJ470JY	AA		J	Resistor 47 1/16W Metal Oxide
R9007	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9712	VRS-CZ1JF392JY	AA		J	Resistor 3.9k 1/16W Metal Oxide
SC1503	QSOCNA004WJZZ	AG		J	Socket
⚠ TU1101	RTUDAA018WJQZ	BA	N	J	Tuner
[4] DUNTKD935FME03 (TERMINAL Unit)					
C501	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C502	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C503	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C504	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C505	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C506	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C507	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C508	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C509	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C510	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C511	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C512	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C513	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C514	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C515	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C516	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C517	RC-KZA237WJZZY	AB		J	Capacitor 10 16V Ceramic
C518	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C519	VCKYCY1HB103KY	AA		J	Capacitor 0.01 50V Ceramic
C520	VCKYCY1HB103KY	AA		J	Capacitor 0.01 50V Ceramic
C521	VCKYCY1HB103KY	AA		J	Capacitor 0.01 50V Ceramic
C522	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKD935FME03 (TERMINAL Unit)					
C523	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C524	VCAAPF1CJ396MY	AF		J	Capacitor 39 16V Electrolytic
C525	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C526	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C527	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C528	VCERML1CN226MY	AC		J	Capacitor 22 16V Electrolytic
C529	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C530	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C532	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C536	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C537	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C538	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C540	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C541	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C543	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C544	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C545	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C546	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C547	VCERMZ1CN107MY	AD		J	Capacitor 100 16V Electrolytic
C551	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C552	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C553	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C554	VCAAPF1CJ396MY	AF		J	Capacitor 39 16V Electrolytic
C555	RC-KZA154WJZZY	AB		J	Capacitor 4.7 16V Ceramic
C556	RC-KZA154WJZZY	AB		J	Capacitor 4.7 16V Ceramic
C557	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C564	VCKYCH1CB104KY	AB		J	Capacitor 0.1 16V Ceramic
C567	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C575	VCAAPF1CJ396MY	AF		J	Capacitor 39 16V Electrolytic
C2701	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2702	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2703	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2704	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2705	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2706	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2707	VCKYCY1HF224ZY	AA		J	Capacitor 0.22 50V Ceramic
C2708	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C2709	VCKYCY1HF224ZY	AA		J	Capacitor 0.22 50V Ceramic
C2710	VCKYCY1HF224ZY	AA		J	Capacitor 0.22 50V Ceramic
C2711	VCKYCY1HF224ZY	AA		J	Capacitor 0.22 50V Ceramic
C2712	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2713	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2714	VCERMZ1EN227MY	AE		J	Capacitor 220 25V Electrolytic
C2715	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2716	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C2717	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2718	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2720	VCERMZ1EN227MY	AE		J	Capacitor 220 25V Electrolytic
C2725	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2726	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2727	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2728	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2729	VCKYTV1EB474KY	AC		J	Capacitor 0.47 25V Ceramic
C2730	VCKYTV1EB474KY	AC		J	Capacitor 0.47 25V Ceramic
C2731	RC-KZA516WJQZY	AC	N	J	Capacitor 0.68 35V Ceramic
C2732	RC-KZA516WJQZY	AC	N	J	Capacitor 0.68 35V Ceramic
C2733	VCCCCY1HH151JY	AA		J	Capacitor 150p 50V Ceramic
C2734	VCCCCY1HH151JY	AA		J	Capacitor 150p 50V Ceramic
C2737	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2738	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2739	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2740	VCKYCY1HB104KY	AA		J	Capacitor 0.1 50V Ceramic
C2741	VCCCCY1HH151JY	AA		J	Capacitor 150p 50V Ceramic
C2742	VCCCCY1HH151JY	AA		J	Capacitor 150p 50V Ceramic
C2744	VCAAPC1EJ106MY	AF		J	Capacitor 10 25V Electrolytic
C2745	VCKYCY1HB103KY	AA		J	Capacitor 0.01 50V Ceramic
C2746	RC-KZA110WJZZY	AD		J	Capacitor
C2747	RC-KZA110WJZZY	AD		J	Capacitor
D501	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D502	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D503	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D504	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D505	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D506	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D507	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D508	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D509	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D510	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D511	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D512	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106
D513	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106
D514	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106
D515	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106
D516	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106
D517	VHDDAN217U+-1Y	AB		J	Diode DAN217UT106

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKD935FME03 (TERMINAL Unit)					
D518	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D519	RH-EX1400CEZZY	AB		J	Zener Diode UDZSTE-1710B, 10V
D2701	VHDKDS226//-1Y	AB		J	Diode KDS226-RTK/P
FB501	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB502	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB503	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB504	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB505	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB506	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB507	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB508	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB509	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB510	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB511	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB512	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB513	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB514	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB515	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB516	RBLN-0065TAZZY	AA		J	Balun BLN-0065TA
FB517	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB518	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB519	RBLN-A204WJZZY	AA		J	Balun BLN-A204WJ
FB520	RBLN-0039TAZZY	AB		J	Balun BLN-0039TA
FB531	RBLN-A206WJZZY	AA		J	Balun BLN-A206WJ
FB532	RBLN-A206WJZZY	AA		J	Balun BLN-A206WJ
FB533	RBLN-A206WJZZY	AA		J	Balun BLN-A206WJ
FB534	RBLN-A206WJZZY	AA		J	Balun BLN-A206WJ
FB2709	RBLN-0064TAZZY	AB		J	Balun BLN-0064TA
FB2710	RBLN-0064TAZZY	AB		J	Balun BLN-0064TA
FB2711	RBLN-0064TAZZY	AB		J	Balun BLN-0064TA
FB2712	RBLN-0064TAZZY	AB		J	Balun BLN-0064TA
IC501	VHiMM3151XQ-1Q	AT	N	J	IC MM3151XQ
IC2701	VHiTPA3100D-1Y	AQ		J	IC TPA3100D2PHPR
J501	QTANJA092WJZZ	AG		J	Terminal INPUT1
J502	QTANJA093WJZZ	AG		J	Terminal INPUT2
J503	QSOCDA020WJZZ	AC		J	Socket
L2701	RCiLPA479WJZZY	AE		J	Coil
L2702	RCiLPA479WJZZY	AE		J	Coil
L2703	RCiLPA479WJZZY	AE		J	Coil
L2704	RCiLPA479WJZZY	AE		J	Coil
LUG501	QLUGHA006WJZZY	AC		J	Lug
LUG502	QLUGHA006WJZZY	AC		J	Lug
LUG2701	QLUGHA006WJZZY	AC		J	Lug
LUG2702	QLUGHA006WJZZY	AC		J	Lug
P502	QPLGNA347WJZZY	AD		J	Plug 13pin
P2703	QPLGNA173WJZZY	AD		J	Plug 4pin (SP)
P2704	QCNCMA250WJZZ	AE		J	Connector 23pin
Q501	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
Q502	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112-1R
Q503	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
Q504	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112-1R
Q505	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
Q506	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112-1R
Q507	VSDTC614TK+-1Y	AB		J	Transistor DTC614TKT146
Q508	VSDTC614TK+-1Y	AB		J	Transistor DTC614TKT146
Q509	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
R501	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R502	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R503	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R504	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R505	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R506	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R507	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R508	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R509	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R510	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R511	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R512	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R513	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R514	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R515	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R516	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R517	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R518	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R519	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R520	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R521	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R522	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R523	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R524	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R525	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R526	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R527	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R528	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R529	VRS-CY1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide

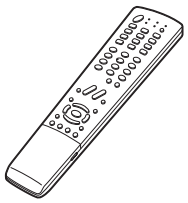
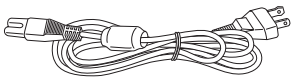
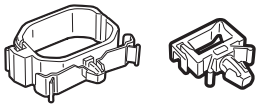
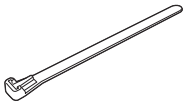
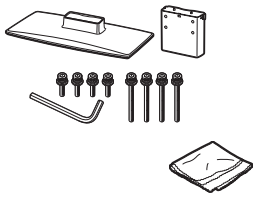
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKD935FME03 (TERMINAL Unit)					
R530	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R531	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R532	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R533	VRS-CY1JF274JY	AA		J	Resistor 270k 1/16W Metal Oxide
R534	VRS-CY1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R535	VRS-TQ2BD750JY	AA		J	Resistor 75 1/8W Metal Oxide
R536	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R537	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R538	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R539	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R540	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R541	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R542	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R548	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R549	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R550	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R554	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R555	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R556	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R557	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R558	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R559	VRS-CJ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R561	VRS-CY1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R562	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R563	VRS-CY1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R564	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R565	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R566	VRS-CY1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R567	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R568	VRS-CY1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R570	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R571	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R572	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R573	VRS-TV1JD102JY	AA		J	Resistor 1k 1/10W Metal Oxide
R574	VRS-CY1JF680JY	AA		J	Resistor 68 1/16W Metal Oxide
R576	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R577	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R578	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R579	VRS-TV1JD102JY	AA		J	Resistor 1k 1/10W Metal Oxide
R580	VRS-CY1JF680JY	AA		J	Resistor 68 1/16W Metal Oxide
R582	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R583	VRS-CY1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R584	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R585	VRS-TV1JD102JY	AA		J	Resistor 1k 1/10W Metal Oxide
R586	VRS-CY1JF680JY	AA		J	Resistor 68 1/16W Metal Oxide
R587	VRS-CY1JF561JY	AA		J	Resistor 560 1/16W Metal Oxide
R588	VRS-CY1JF561JY	AA		J	Resistor 560 1/16W Metal Oxide
R589	VRS-CY1JF564JY	AA		J	Resistor 560k 1/16W Metal Oxide
R590	VRS-CY1JF564JY	AA		J	Resistor 560k 1/16W Metal Oxide
R591	VRS-CJ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R592	VRS-CY1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R593	VRS-CY1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R594	VRS-CY1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R604	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R611	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R612	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R613	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R614	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R615	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R616	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R617	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R618	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R619	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2701	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2702	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2705	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2706	VRS-CY1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2713	VRS-TQ2EF220JY	AA		J	Resistor 22 1/4W Metal Oxide
R2714	VRS-TQ2EF220JY	AA		J	Resistor 22 1/4W Metal Oxide
R2722	VRS-TQ2EF220JY	AA		J	Resistor 22 1/4W Metal Oxide
R2723	VRS-TQ2EF220JY	AA		J	Resistor 22 1/4W Metal Oxide
R2724	VRS-CY1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
SC501	QCNCMA250WJZZ	AE		J	Connector 23pin
SC502	QCNCMA250WJZZ	AE		J	Connector 23pin
N	QCNW-F018WJQZ	AL		X	Connecting Cord (RA)

[5] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[5] CABINET PARTS					
1	CCABAB803WJ01	BU	N	X	Front Cabinet Ass'y
1-1	–	–	N	–	Front Cabinet
1-2	GCOVAB821WJSA				LED Cover
1-3	GCOVAC312WJSA		N		Front Cover
1-4	HDECSA020WJSA	AQ	N	X	Shaine Trim
1-5	HPNLSA139WJSA	AW	N	X	SP Net
1-6	Not available		N	X	Mask Himelon, x6
1-7	PSPAZB226WJZZ	AD		J	Tape, x7
1-8	TLABZA635WJZZ	AC		J	E-Star Label
1-9	XJPSN30P08XS0	AA		J	Screw, x3
2	CCABBB064WJ01	BL		X	Rear Cabinet Ass'y
2-1	–	–	N	–	Rear Cabinet
2-2	LHLDWA131WJKZ	AE		J	Wire Holder
3	CCOVAB914WJ01	AS		X	Top Cover Ass'y
3-1	–	–	N	–	Top Cover
3-2	Not available	–	N	–	Cntrol Button
4	CDAi-A327WJ02	BN	N	X	Stand Ass'y
4-1	CDAi-A327WJ01		N		Stand Base Ass'y
4-2	CDAi-A328WJ01		N		Stand Support Ass'y
4-3	LX-BZA146WJF7	AC		J	Screw, x4
4-4	LX-BZA147WJF8	AE		J	Screw, x4
5	RLCUCA122WJZZ		N	J	42" LCD Panel Module
6	DUNTKD909FM02		N		R/C, LED Unit
7	DUNTKD910FM02		N		KEY Unit
8	DUNTKD862FM04				MAIN Unit
9	DUNTKD935FM03		N		AV TERMINAL Unit
10	RDENCA226WJQZ	BT	N	X	POWER Unit
11	GCOVAA678WJKA	AE		J	SD Card Cover
12	GCOVAB912WJKA	AQ	N	X	Stand Assist Cover
13	HiNDPB715WJSA	AC		X	Terminal Label
14	HiNDPC354WJSA	AH		X	Jack Indicator
15	HiNDPC419WJSA	AH	N	X	Model Label
16	CANGKA839WJ01	AY	N	X	Rug Angle Top Ass'y
16-1	Not available	–	N	–	Rug Angle Top
16-2	LHLDWA120WJKZ	AB		J	Wire Holder
16-3	Not available	–	N	–	Rug Spacer, x2
17	CANGKA840WJ02	AZ	N	X	Rug Anglke Bottom Ass'y
17-1	Not available	–	N	–	Rug Anglke Bottom
17-2	LHLDWA120WJKZ	AB		J	Wire Holder, x8
17-3	Not available	–	N	–	Rug Spacer, x2
18	LANGKA841WJFW	AM		X	Tray Fix Angle, x2
19	LANGKA879WJFW	AT	N	J	Stand Fix Angle
20	LANGKA881WJFW	AM	N	J	Stand Assist Angle
21	LANGKA882WJFW	AM	N	J	Chassis Fix Angle
22	LANGKB264WJFW	AM	N	X	Terminal Angle
23	LANGTA401WJFW	AT	N	J	Center Angle, x2
24	CCHSMA341WJ02	BA		X	Chassis Tray Ass'y
24-1	Not available	–	N	–	Chassis Tray
24-2	LHLDWA102WJKZ	AB		J	Wire Holder, x1
24-3	LHLDWA120WJKZ	AB		J	Wire Holder, x4
24-4	LHLDWA123WJKZ	AB		J	Wire Holder, x2
25	LHLDWA141WJZZ	AD	N	J	Wire Holder
26	LHLDWA150WJKZ	AC		J	Edge Saddle WH
27	LHLDWA163WJKZ	AC		J	Wire Holder, x4
28	LX-HZA003WJFN	AC		J	Screw, x2 (for Speaker)
29	LX-NZ3047GEZZ	AA		J	Hexagonal Nut
30	NSFTZ0134CEFW	AD		J	Hexagonal Shaft, x2
31	PCLiCA004WJKZ	AC		J	Rivet, x3
32	PMLT-A390WJZZ	AH		X	Absorber
33	PRDARA414WJFW	AK		X	Heat Sink
34	PSLDMA910WJN1	AW	N	J	Main Shield
35	PSLDMB066WJZZ	AG		X	Spacer, x4
36	PSPAZA635WJKZ	AC		J	Spacer
37	PSPAZA917WJKZ	AH		J	Cool Sheet
38	PZETKA272WJZZ	AP	N	X	Insulation Sheet
39	QCNCWA496WJZZ	AK		J	Connector (F-RCA)
40	QCNW-E249WJPZ	AH		J	Connecting Cord (TUNER)
41	QCNW-E703WJPZ	AX		X	Connecting Cord (LV)
42	QCNW-E897WJQZ	AF		J	Connecting Cord (KM)
43	QCNW-F017WJQZ	AH		X	Connecting Cord (SP)
44	QCNW-F019WJQZ	AN		J	Connecting Cord (PE/PD)
45	QCNW-F733WJQZ	AG	N	X	Connecting Cord (Model Detect)
46	QCNW-F742WJQZ	AS	N	X	Connecting Cord (LA)
47	RCORFA020WJZZ	AN		J	Core
48	RSP-ZA278WJZZ			J	Speaker Box, x2
49	XBBS740P06000	AA		J	Screw, x33 (for Angle)
50	XBPS730P06WS0	AA		J	Screw, x25 (for PWB16/Angle9)
51	XBPS830P06000	AA		J	Screw, x2 (for HDMI)
52	XBPS930P08JS0	AB		J	Screw, x5 (for Rear Cabinet)
53	XEBS930P08000	AA		J	Screw, x3 (for JACK)
54	XEBS930P10000	AA		J	Screw, x1
55	XEBS940P20000	AB		J	Screw, x22 (for Rear Cabinet)

[6] SUPPLIED ACCESSORIES

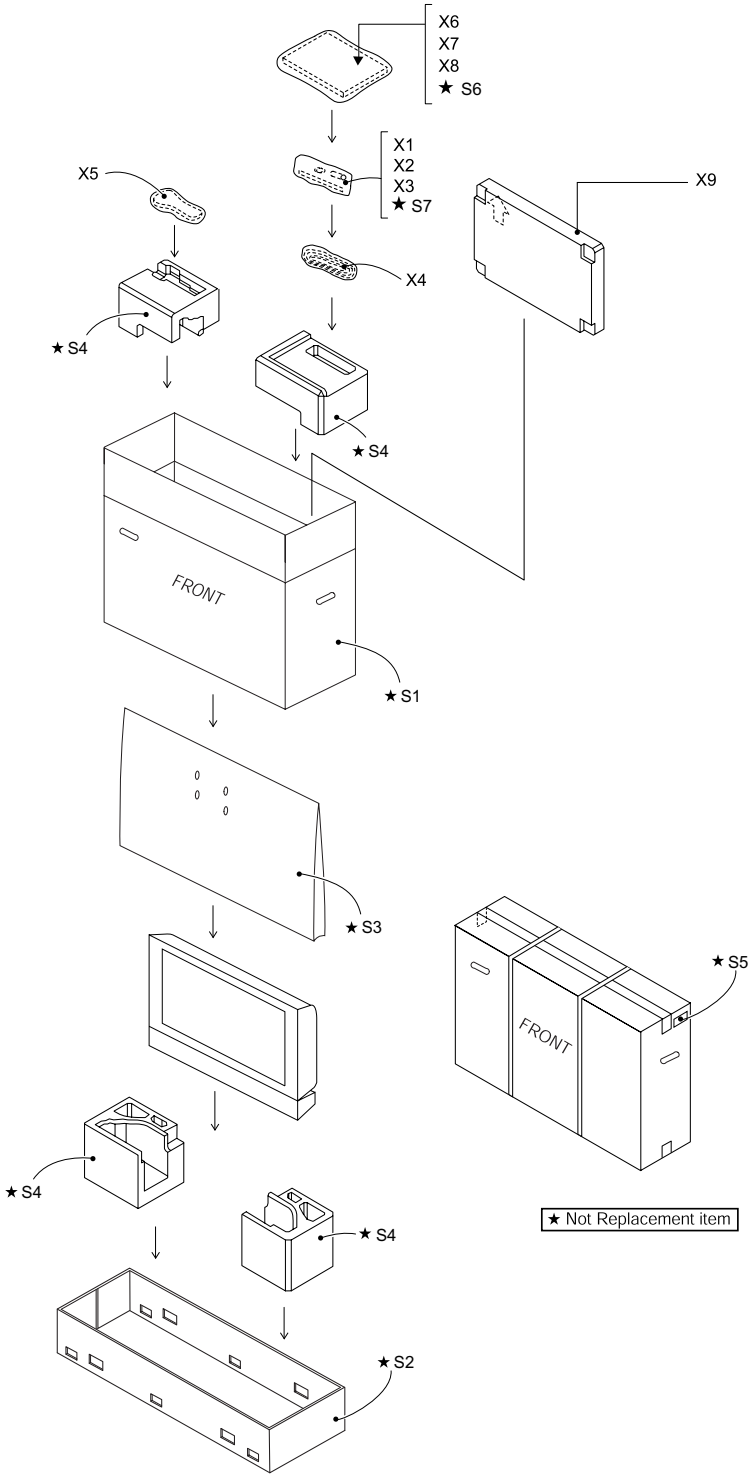
X5 Remote control unit	X4 AC cord	X7 Operation manual
		
X1 X3 Cable clamp	**X2** Cable tie	**X9** Stand unit
		

X6 Questionnaire Card

X8 Extend Warranty Card

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[6] SUPPLIED ACCESSORIES					
X1	LHLDWA012WJKZ	AC		J	Cable Clamp
X2	LHLDWA083WJ00	AD		J	Cable Band
X3	LHLDWA131WJKZ	AE		J	Cable Clamp
⚠ X4	QACCDA039WJPZ	AQ		J	AC Cord
X5	RRMCGA535WJSA	AZ		J	Remote Control Unit
X6	TCADEA208WJZZ	AD		X	Questionnaire Card
X7	TiNS-D068WJZZ	AP		X	Operation Manual
X8	TGAN-A845WJZZ	AP		X	Extend Warranty Card
X9	CDAi-A327WJ02	BN	N	X	Stand Ass'y

[7] PACKING PARTS (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[7] PACKING PARTS (NOT REPLACEMENT ITEM)					
S1	SPAKCD512WJZZ	–	N	–	Packing Case
S2	SPAKCD085WJZZ	–		–	Bottom Case
S3	SPAKPA774WJZZ	–		–	Wrapping Paper
S4	SPAKXB531WJZZ	–	N	–	Buffer Material
S5	TLABKA009WJZZ	–		–	No. Label
S6	SSAKA0101GJZZ	–		–	Polyethylene Bag
S7	SSAKAA032WJZZ	AB		J	Polyethylene Bag
[8] SERVICE JIGS (USE FOR SERVICING)					
N	QCNW-G383WJQZ	AW		J	L=1000mm, x2, POWER to INV.1/2(LA1/LA2) L=1250mm,
N	QCNW-F138WJQZ	AP		J	4pis-2pins/2pins, L=1000mm, Terminal Unit to Speak
N	QCNW-F139WJQZ	AX		J	13pins L=1000mm, Terminal unit to R/C LED Unit (R
N	QCNW-D483WJQZ	AX		J	12pins L=1000mm, Main Unit to Power Unit (PE)
N	QCNW-E068WJQZ	AS		J	6pins L=1000mm, Main Unit to Power Unit (PD)
N	QCNW-E673WJPZ	BE		J	30pins L=1000mm, Main Unit to Controller Unit (LV)

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